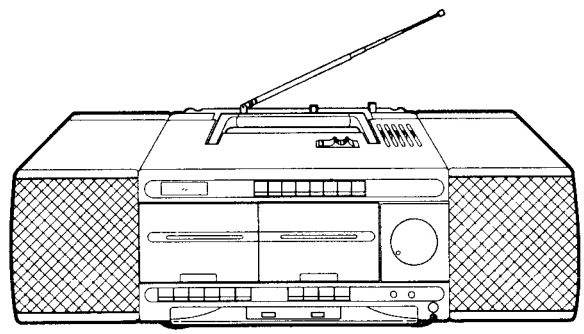
JVC

SERVICE MANUAL

STEREO RADIO CASSETTE RECORDER

PC-Y777 B/E/G



Area suffix

B ..... UK
E ..... Continental Europe
G ..... West Germany

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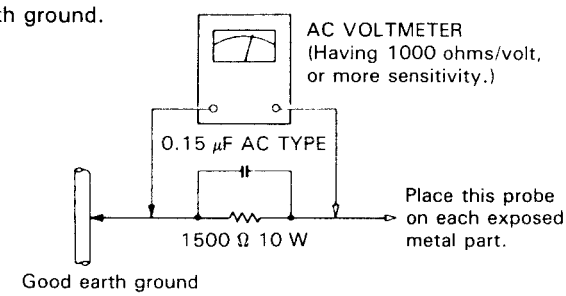
No. 1802
July 1990

1 Safety Precautions

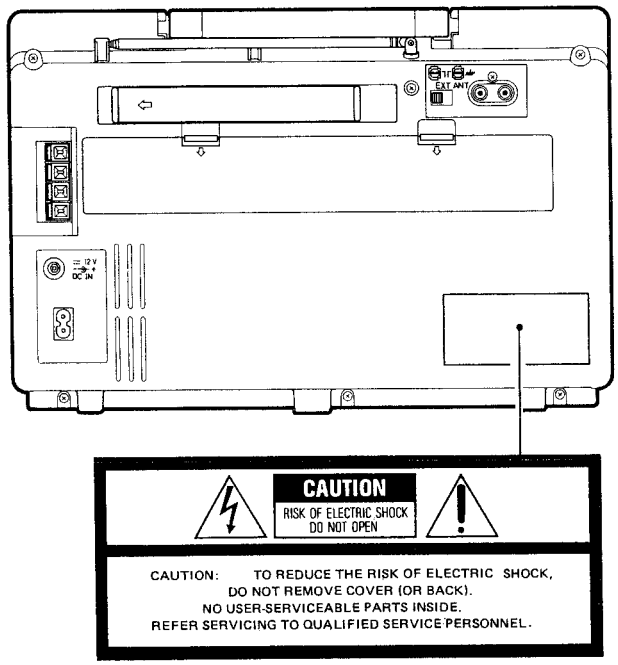
1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer or responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (⚠) on the schematic diagram and Parts List in Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List in Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).
     This corresponds to 0.5 mA AC (r.m.s.).


AC VOLTMETER
(Having 1000 ohms/volt, or more sensitivity.)
0.15 μF AC TYPE
1500 Ω 10 W
Place this probe on each exposed metal part.
Good earth ground

Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are mainteined.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

2 Safety Precautions about PC-Y777


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

PRECAUTIONS

Prevention of damage to the set

1. Do not leave this unit in direct sunlight or in extremely hot (about 40°C (104°F)) or humid places or in closed automobiles in the sun.
2. Exhausted batteries in the unit may cause damage due to corrosion.
   When the unit is not used for more than 2 weeks, remove the batteries.
3. Never use benzine or thinner for cleaning as these will damage the cabinet.
4. Place the unit as far away from the TV as possible.

Prevention of electric shock and fire hazards

1. Even when the POWER switch is set to STANDBY, a very small current will flow. To save power and for safety when not using the unit for an extended period of time, disconnect the power cord from the household AC outlet.
2. Do not handle the power cord with wet hands.
3. When unplugging the power cord, always grasp and pull the plug, not the power cord.
4. Consult your nearest dealer when damage, disconnection or contact failure is found with the cord.

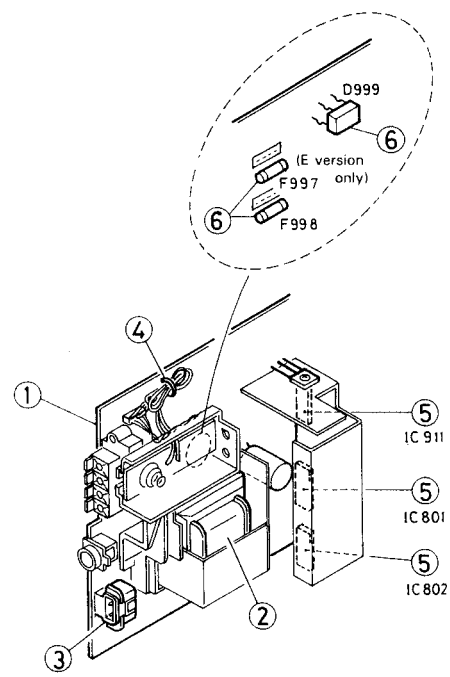
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

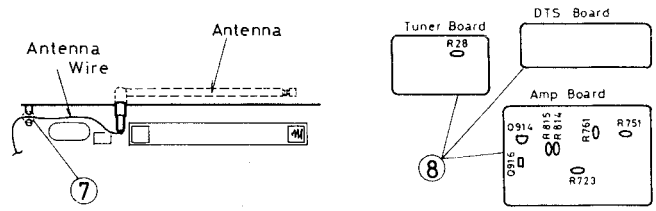
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

■ Important management points regarding safety

(Items Demanding Special Safety Precautions)

1. Make sure that the soldering round does not protrude in order to maintain a gap between the primary circuit of the circuit board and the pattern adjoining the primary circuit.
2. Confirm that the power transistor is provided with the parts number "VTP57P2-12C/VTP57P2-12CBS", and to prevent the pattern from coming off, confirm that the fixation screw for the circuit board is not loose.
3. Confirm that the AC socket is provided with the number "HSC1466" and that the pattern is properly fixed.
4. Check that clamping has been properly performed to prevent contact with heated parts.
5. As D999, the heat sink IC801, 802, Q911, R751, R761, R723, R814, R815, R28, Q914 and Q916 are heated parts, make sure that they do not come in contact with the wire and the E. cap.
6. Confirm that fuses F998 and F997 "T4A" "250" are properly maintained, and that the volume indication seal "T4A/125" is attached next to the fuse.
7. In order to prevent the tuner wire from contacting the primary fuse, check that the wire is inseted into the rib and that it is fastened with bond.
8. Make sure that all support parts are bonded and fixed with spacers.





3 Features

1. **MW/LW/FM-stereo PLL synthesizer tuner.**
   - 20-station preset tuning (FM-10, MW-5, LW-5).
   - Seek/manual tuning.
2. **Double-cassette mechanism (Deck A for recording and playback, Deck B for playback).**
   - Dolby*B Noise Reduction system.
   - Metal and CrO_2 tape can be played back for superior tone quality.
   - Synchro start dubbing function (normal/high speed dubbing).
   - Relay playback (from Deck **B** to Deck **A**).
3. **"LIVE EFFEX" Sound System for the reproduction of an expanded sound field.**
4. **Hyper-Bass Sound System with 3D super woofer.**
5. **5-Band graphic equalizer (S.E.A.) controls.**
6. **CD IN jacks.**

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⊡⊡ are trademarks of Dolby Laboratories Licensing Corporation.

"LIVE EFFEX" Sound System
When stereo sources are heard from the speakers, often the sound feels far more restricted than in a live performance. This is because the stereo effect is degraded due to crosstalk** between our left and right ears. The PC-Y999/Y777 removes this acoustic crosstalk between the ears using our newly developed "LIVE EFFEX" signal sound processor; with this, the sound image extends beyond the speakers, realizing a natural stereo sound field.

** Crosstalk is a phenomenon in which sound from two channels is mixed; in addition to hearing sound from the right speaker, the right ear hears sound from the left speaker, with a slight time delay.

4 Specifications

<Radio Section>

Frequency ranges	FM	87.5 – 108 MHz	PC-Y777 B
	AM	522 – 1,629 kHz	
	FM	87.5 – 108 MHz	PC-Y777 E
	MW	522 – 1,629 kHz	
	SW	6 – 18 MHz	
	LW	144 – 288 kHz	
	FM	87.5 – 108 MHz	PC-Y777 G
	MW	522 – 1,629 kHz	
	SW	6 – 18 MHz	
	LW	144 – 288 kHz	
Antennas	Telescopic antenna for FM Ferrite core antenna for AM		PC-Y777 B
	Telescopic antenna for FM & SW Ferrite core antenna MW & LW		(PC-Y777 E/G)

<Tape Recorder Section>
Track system : 4-track 2-channel stereo
Frequency response : 40 – 14,000 Hz (with normal tape)
Wow & flutter : 0.15% (WRMS)
Fast wind time : Approx. 120 sec. (Deck A: C-60 cassette)
Approx. 120 sec. (Deck B: C-60 cassette)

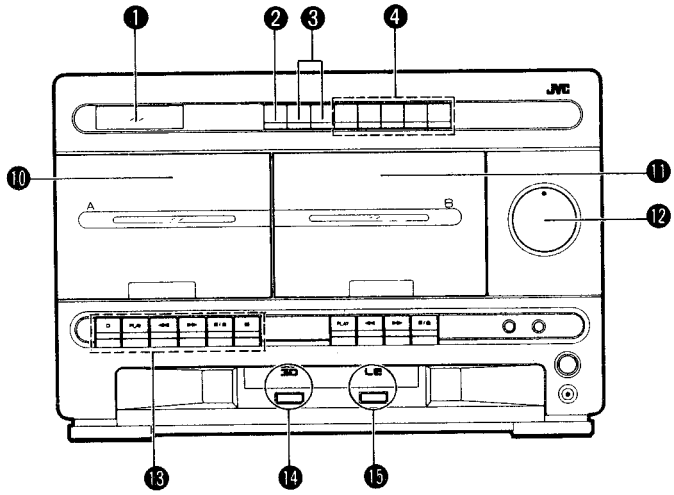
<General>
3D system : ASW (Acoustic Super Woofer)
Power output : 10 W (5 W + 5 W) at 6 Ω and 13 W for 3D at 8 Ω (Max.)
6 W (3 W + 3 W) at 6 Ω and 7 W for 3D at 8 Ω (10% THD)
S.E.A. characteristics : S.E.A. center frequencies: 100 Hz/330 Hz/1 kHz/3.3 kHz/10 kHz
S.E.A. control range: ±10 dB
Input jacks : CD IN × 2 (440 mV/50 kΩ)
Output jacks : Speaker x 2 (Matching impedance 6 – 16 Ω)
Headphones x 1 (15 mW/32 Ω, Matching impedance 16 Ω – 1 kΩ)
Power supply : DC 12 V (8"R20" batteries)
AC 240 V, 50 Hz (PC-Y777 B)
AC 220 V, 50 Hz (PC-Y777 E/G)
Ext. DC IN 12 V
(Car battery via optional CN-332 car adapter)
Power consumption : 36 W (with POWER SW ON)
2.0 W (with POWER SW STANDBY)
Dimensions : 650(W) x 235(H) x 235(D) mm including knob
Weight : Approx. 6.9 kg (without batteries)

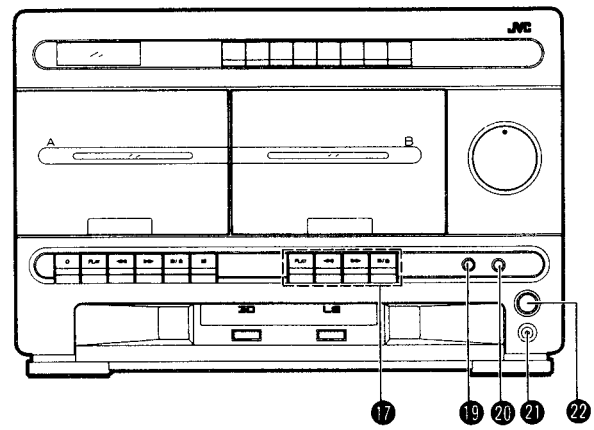
<Speaker Section> (each unit)
Speaker : 10 cm x 1
Impedance : 6 Ω
Dimensions : 155(W) x 215(H) x 195(D) mm
Weight : Approx. 1.1 kg

Design and specifications subject to change without notice.

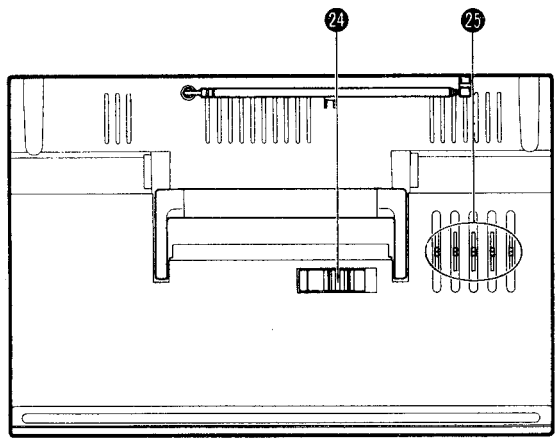
5 Name of Controls and Their Functions

- **Front panel**

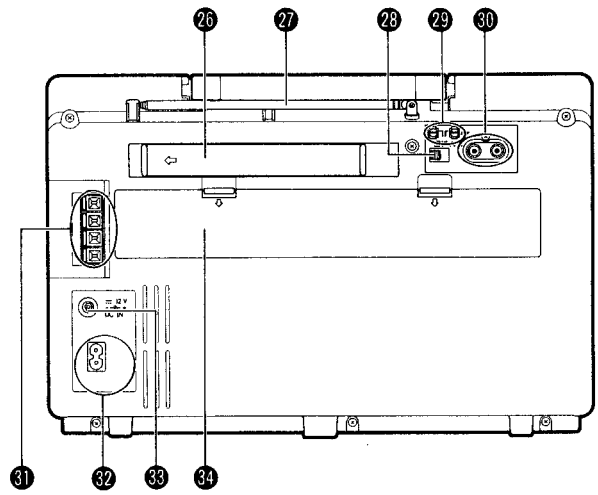




- **Top panel**



- **Rear panel**



❶ Display window
- **Indicators (for tuner operation)**
  BAND indicator (FM1-FM2-MW-LW)
  Radio frequency display
  Preset station indicator
  STEREO (FM stereo) indicator

❷ BAND button

❸ Tuning control
DOWN frequency
UP frequency

❹ Preset station buttons

❿ Cassette holder (Deck A)

⓫ Cassette holder (Deck B)

⓬ VOLUME control

⓭ Cassette operation buttons (Deck A)

○ REC:
Press this button with the ▶ PLAY button for recording.

▶ PLAY:
Press to play the tape.

◀◀ REW:
Press to rewind the tape rapidly.

▶▶ FF:
Press to wind the tape forward rapidly.

■/⏏ STOP/EJECT:
Press to stop the tape. Pressing this button after the tape stops opens the cassette holder.

❚❚ PAUSE:
Press to stop the tape temporarily. Press again to release the pause mode.

⓮ HYPER-BASS switch and 3D indicator

ON:
Set to this position to listen to Hyper-Bass Sound.

OFF:
Set to this position when Hyper-Bass Sound is not required.

- This function does not work while headphones are being used.

⓯ LIVE EFFEX switch and LE indicator

ON:
Set to this position to listen to the LIVE EFFEX sound.

OFF:
Set to this position when the LIVE EFFEX sound is not required.

⑰ **Cassette operation buttons (Deck B)**
►PLAY:
Press to play the tape.
◄◄REW:
Press to rewind the tape rapidly.
►►FF:
Press to wind the tape forward rapidly.
■/≙STOP/EJECT:
Press to stop the tape. Pressing this button after the tape stops opens the cassette holder.

⑲ **TAPE (FOR PLAYBACK)/FM MODE switch**
TAPE (FOR PLAYBACK):
Set this switch according to the type of tape to be used.
▬ METAL/CrO_2: (Playback only)
Set to this position to listen to a metal (type IV) or chrome (type II) tape.
▂ NORMAL:
Set to this position to listen to a normal (type I) tape.
FM MODE switch:
▬ MONO:
Set to this position when FM stereo reception is obscured by noise.
▂ STEREO:
Set to this position when listening to or recording an FM stereo broadcast.

⑳ **DOLBY NR switch**
Set to ON (▬) when recording or playing back tapes using the noise reduction system.

㉑ **Headphones jack (PHONES) (3.5 mm dia. stereo mini jack)**
Connect headphones (impedance 16Ω – 1kΩ) to this jack. The speakers are automatically switched off when headphones are connected.

㉒ **POWER switch**

㉔ **FUNCTION switch**
TAPE-NORMAL SPEED DUBBING:
Set to this position when listening to a cassette or dubbing at normal speed.
TAPE-HIGH SPEED DUBBING:
Set to this position when dubbing at high speed.
TUNER:
Set to this position when listening to or recording from the radio.
CD IN:
Set to this position when listening to or recording from the source connected to the CD IN jacks.

㉕ **5-BAND GRAPHIC EQUALIZER controls (S.E.A.)**

㉖ **Memory backup battery compartment cover**

㉗ **Telescopic antenna for FM reception**

㉘ **BEAT CUT switch**

㉙ **EXT ANT terminal for FM (PC-Y999E/Y777E)**

㉚ **CD IN jacks**
Connect a CD player.

㉛ **SPEAKER terminals**
Connect the provided speakers to these terminals.

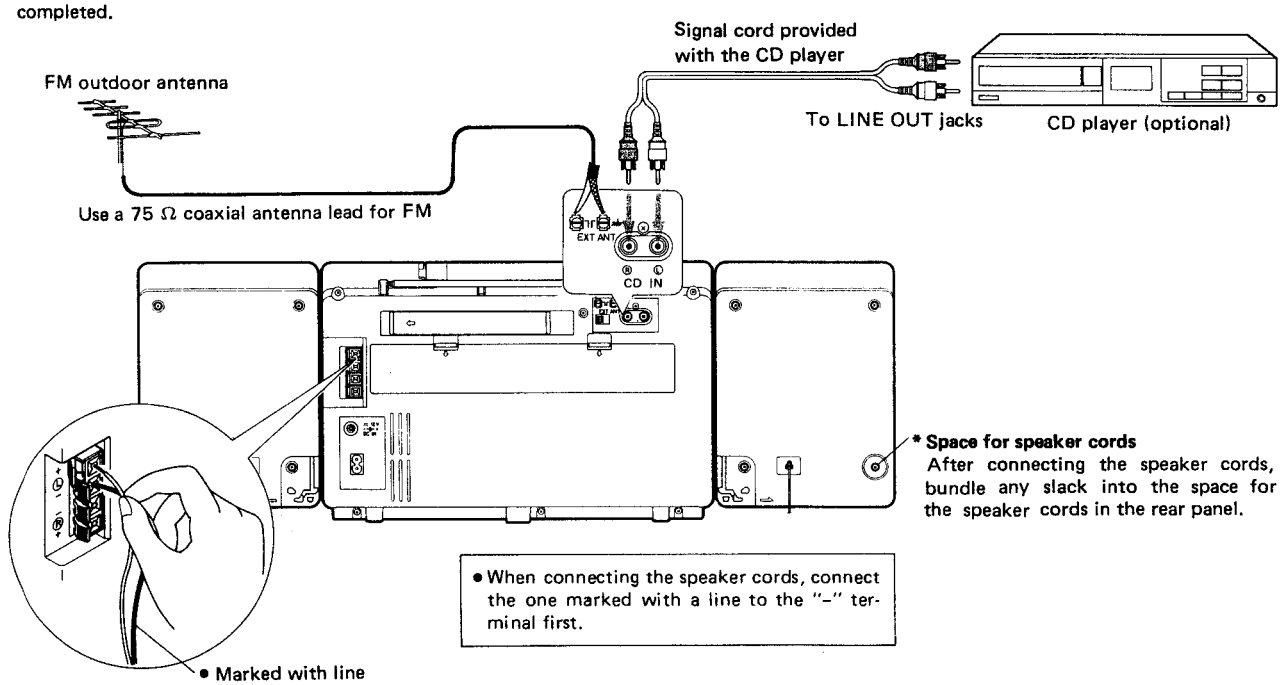
㉜ **AC IN (AC input) jack**

㉝ **DC IN 12 V jack (−⊙+) (PC-Y999E/Y777E)**

㉞ **Battery compartment cover**

CONNECTIONS

• Do not switch the power on until all the connections are completed.


Signal cord provided with the CD player
FM outdoor antenna
To LINE OUT jacks
CD player (optional)
Use a 75 Ω coaxial antenna lead for FM
EXT ANT
CD IN
* Space for speaker cords
After connecting the speaker cords, bundle any slack into the space for the speaker cords in the rear panel.
• When connecting the speaker cords, connect the one marked with a line to the "–" terminal first.
• Marked with line

Notes:
1. Connect the connection cords, etc. being sure not to confuse channels or polarities. The wrong connection will degrade the sound quality and stereo effect.
2. Be sure to connect the connection cords, etc. correctly. Otherwise, there will be no sound or there will be noise.

6 Location of Main Parts

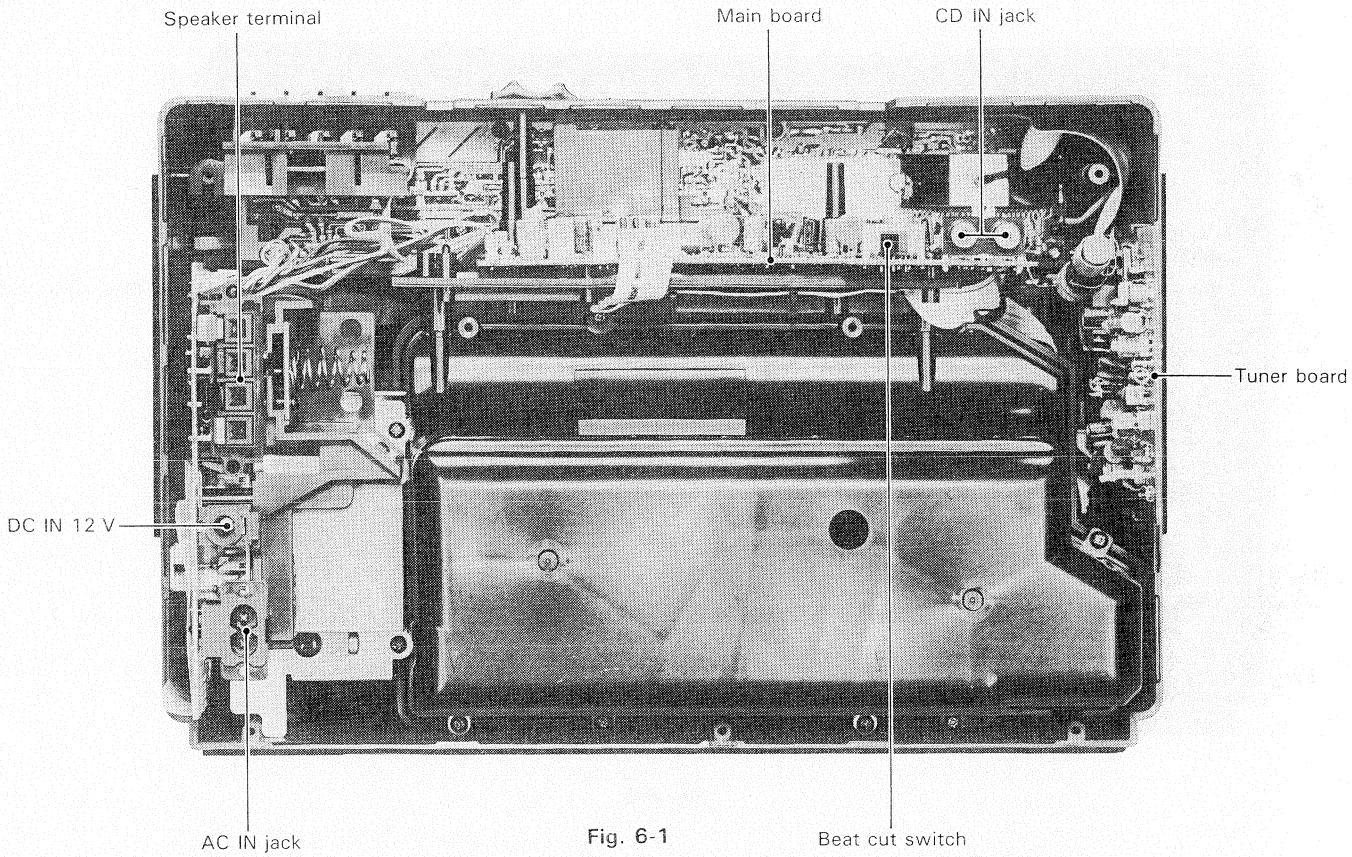


Fig. 6-1

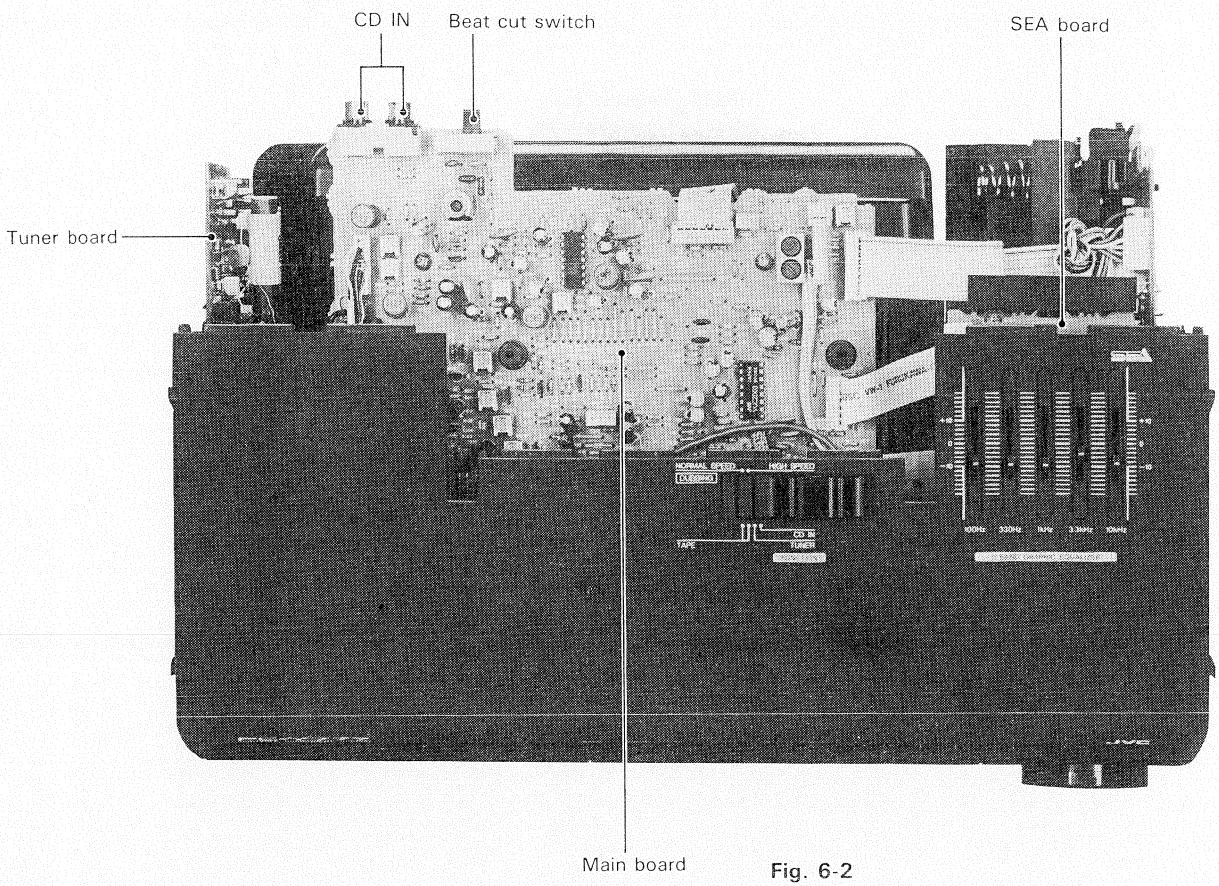


Fig. 6-2

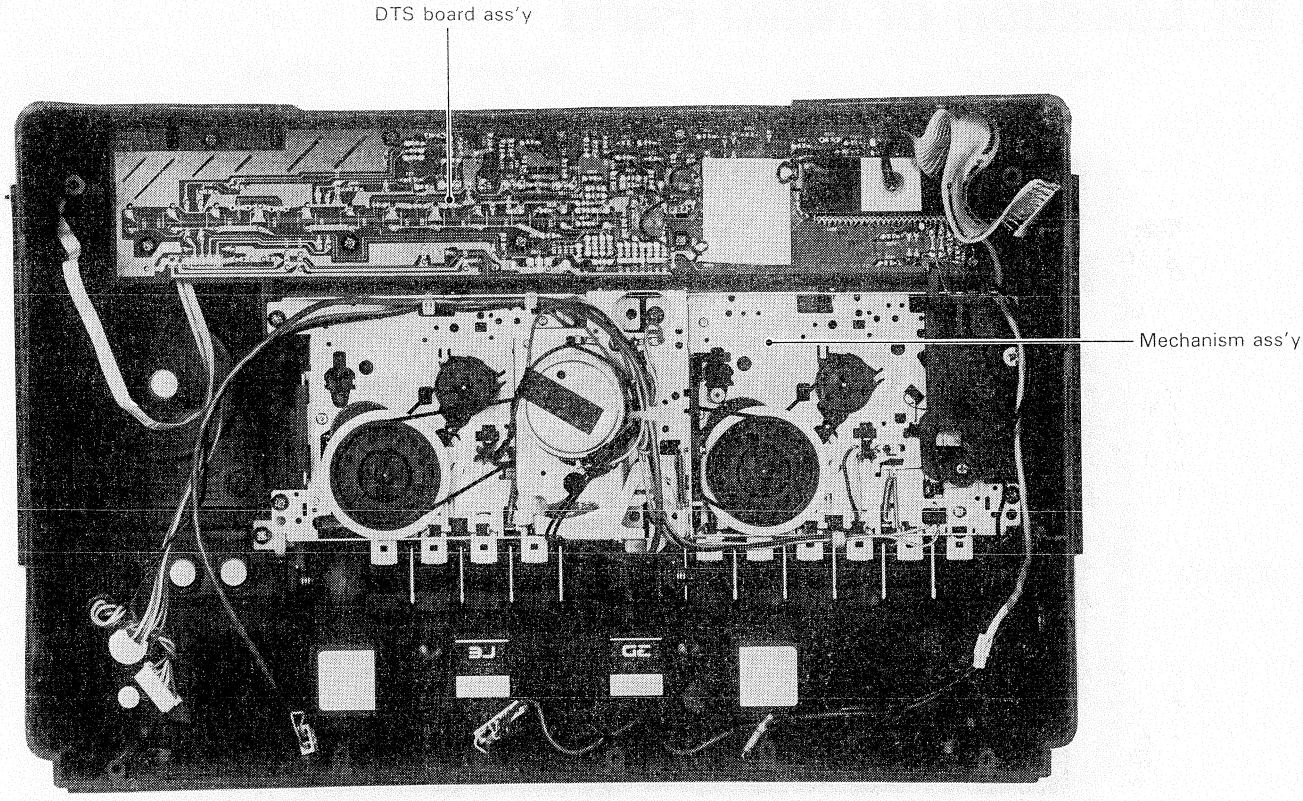


Fig. 6-3

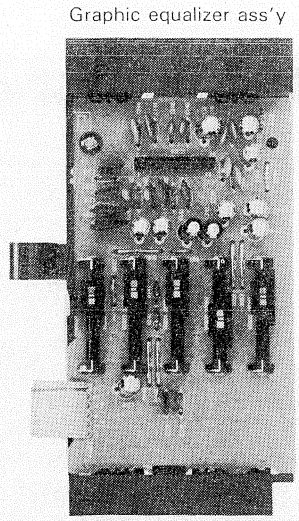


Fig. 6-4

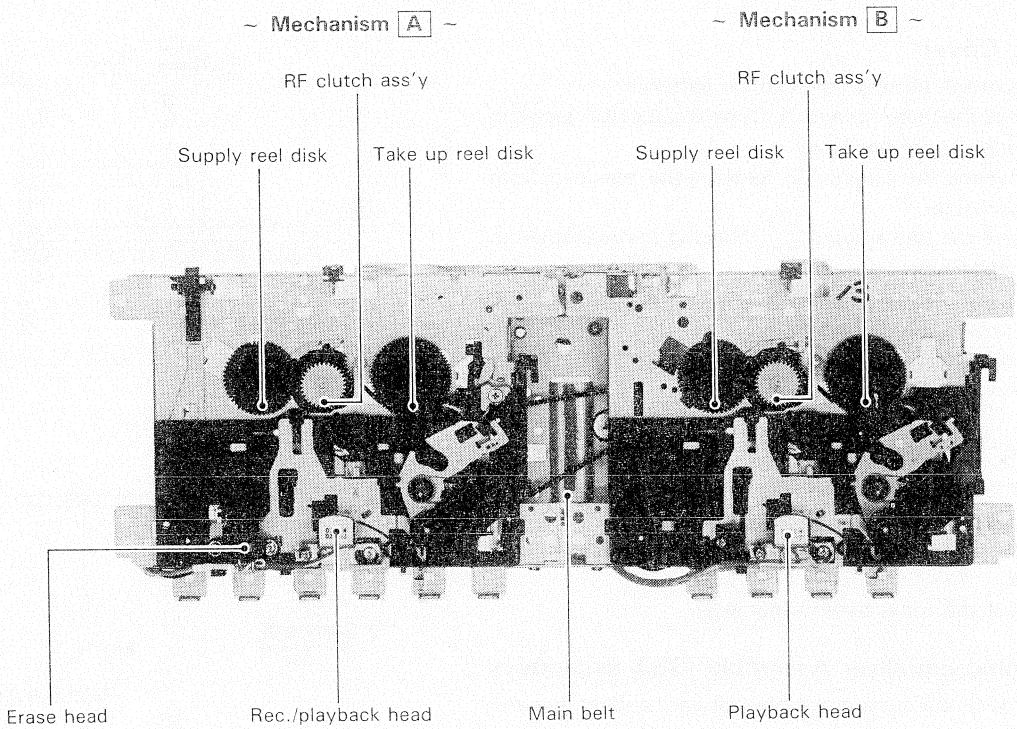

~ Mechanism A ~
~ Mechanism B ~
RF clutch ass'y
RF clutch ass'y
Supply reel disk
Take up reel disk
Supply reel disk
Take up reel disk
Erase head
Rec./playback head
Main belt
Playback head

Fig. 6-5

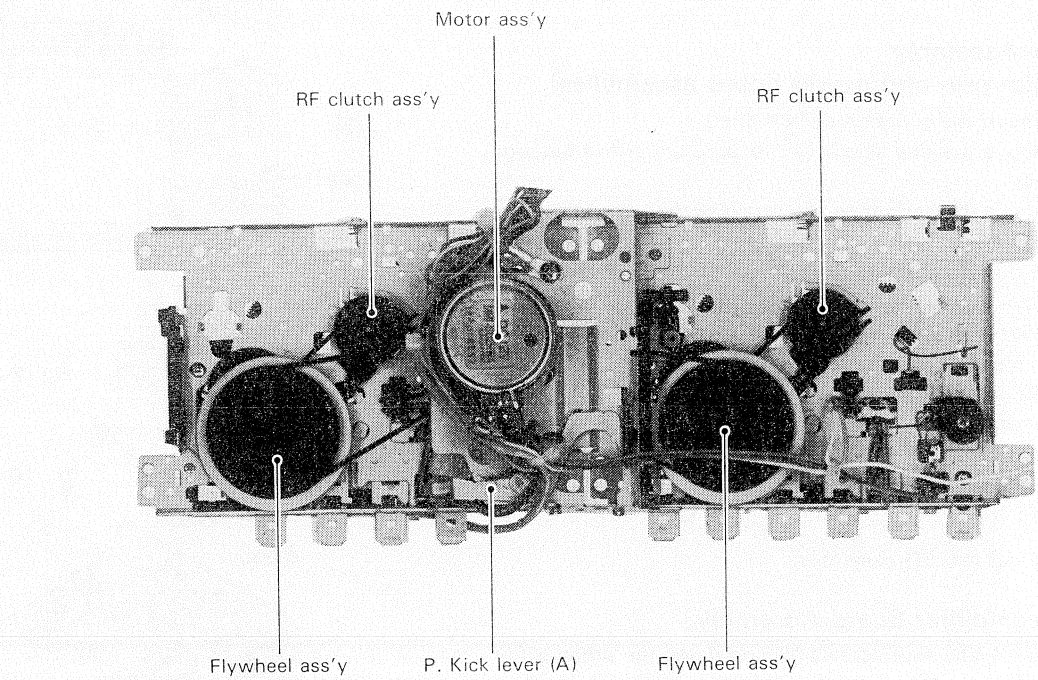

Motor ass'y
RF clutch ass'y
RF clutch ass'y
Flywheel ass'y
P. Kick lever (A)
Flywheel ass'y

Fig. 6-6

7 Removal of Main Parts

■ Rear Cover

1. Remove the battery cover (main battery).
2. Remove the three screws (1) retaining the RCA jack and top side of the rear cover.
3. Remove the five screws (2) retaining the rear cover from the backside.
4. Remove the two screws (3) rataining the rear cover in the battery box.
5. Slightly pull out the rear cover and remove the memory battery and the antenna wire.
   Memory battery ..... Preamplifier circuit board
   Antenna wire .....Tuner board

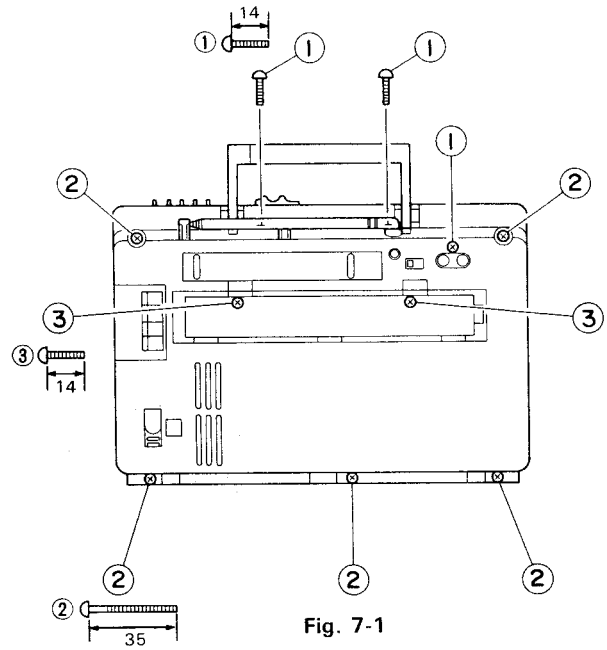


Fig. 7-1

■ Tuner Board Assembly

1. remove the connector (CN3) and the flat wire (CN1) from the DTS board.
2. Remove the output cord from CN3 of the preamplifier board.
3. Pull out the tuner board assembly.

■ Graphic Equalizer Assembly (SEA assembly)

1. Pull the G. equalizer assembly rearward and remove the cabinet.
2. Remove the connection wire from CN703 of the preamplifier board.
3. Remove the one screw retaining the G. equalizer board assembly.

■ 3D Assembly (with pre- and power board assemblies)

1. Remove the function switch knob.
2. Remove the one screw (4) located under the function knob.
3. Remove the one screw (5) retaining the right side of the cabinet.
4. Pull out the volume knob.
5. Remove the two screws (11) under the 3D case.
6. Release the head wire and the motor/switch wire from the preamplifier board.

Motor/switch wire	Power amplifier board CN802	
B. mechanism head wire	Preamplifier CN701	Remove the connector if necessary
A. mechanism head wire	Preamplifier CN702	

7. Pull out the 3D assembly.

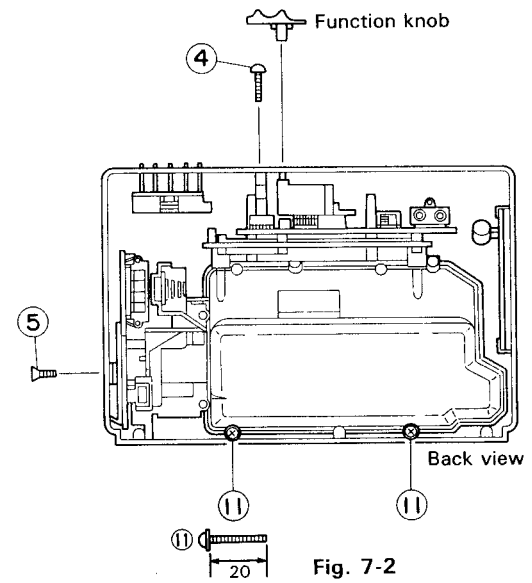


Fig. 7-2

■ Preamplifier Board Assembly

1. Remove the four screws (6) retaining the preamplifier board.
2. Remove the board assembly wire.
   CN804 to the power board.
   CN707 to the preamplifier board.

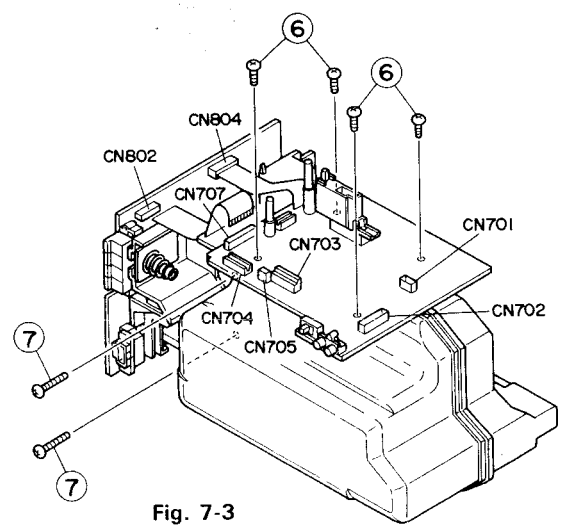


Fig. 7-3

■ Power Amplifier Board

1. Remove the two screws (7) retaining the power transformer bracket.
2. Remove the one screw (8) retaining the power amplifier board.
3. Remove the Mono/ST. switch board and the circuit board or remove screw (9).
4. Remove the 3D connector (CN801).
5. Remove the circuit board knob part of the volume assembly and pull it out in forward direction.
6. remove the two screws (10) retaining the LE (Live Effex)/3D switch board.

■ 3D Speaker

1. Remove the four screws retaining the circuit board chassis. (Under the preamplifier board)
2. Remove the six screws retaining the 3D cabinet. (Five from the rear and one from the front)

■ Mechanism Assembly

1. Remove the one screw (16) retaining the recording arm.
2. Remove the six screws (12) and (13) retaining the mechanism assembly.

■ DTS Board Assembly

1. Remove the 10 screws (14) and (15) retaining the DTS board.

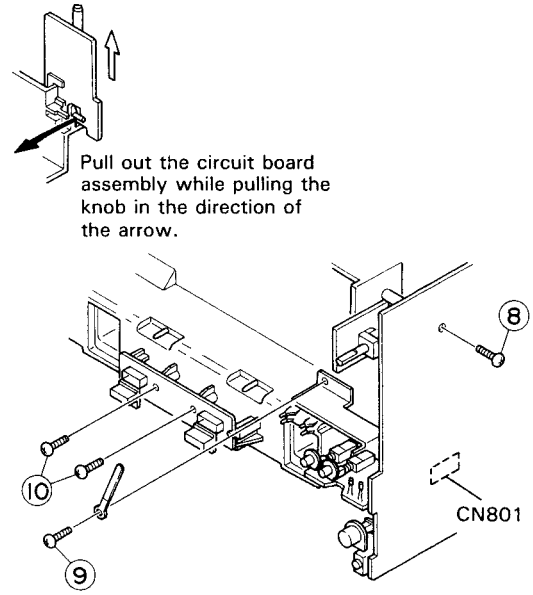


Fig. 7-4

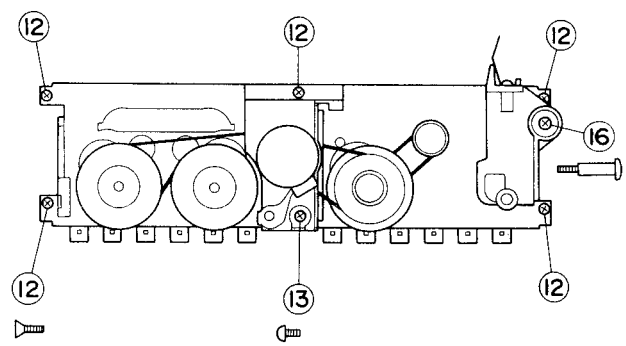


Fig. 7-5

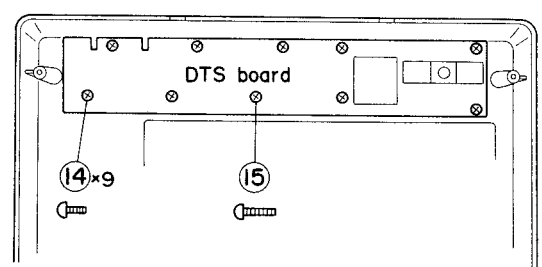


Fig. 7-6

8 Main Adjustments

■ Equipment and Measuring Instrument used for Adjustments

Electronic voltmeter
Audio frequency oscillator
Attenuator
Wow-flutter meter
Frequency counter
Standard signal generator
Torque testing cassette gauge CTG-N
Alignment tape
Measuring tape: TS-12 (UR)
VTT702 (8 kHz)

■ Condition for Measurement

Power Supply ..... AC 240 V (50 Hz): PC-Y777 B
AC 220 V (50 Hz): PC-Y777 E/G
DC 12 V: PC-Y777 B/E/G
Reference output .. Speaker : 0 dBs (0.55 V)/6 Ω
Headphone: −13 dBs (0.173 V)/32 Ω
Reference input..... Ext. MIC : −46 dBs

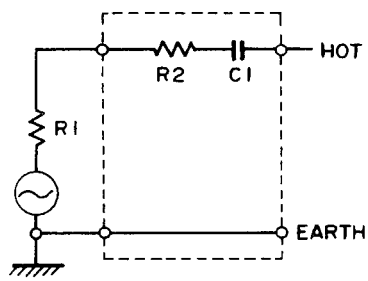
Function position .. TAPE/FM MODE: TAPE NORMAL
FUNCTION : NORMAL SPEED
SEA : Center
VOLUME : Center
BEAT CUT : NORMAL

■ Condition for Measurement : Tuner Section

Applied voltage of the Tuner : DC 5.8 V
Reference output : Speaker ; 50 mW (0.55 V)/6 Ω
Input signal : (AM) Modulation frequency; 400 Hz, 30%
(FM) Modulation frequency; 400 Hz
22.5 kHz dev.
Set position of Volume and Switch : SEA; VOLUME; Center

Attentive point
Connection of IF sweeper:
Connect a 30 pF capacitor and a 33 kΩ resistor in series to the sweeper's output while 0.082 μF capacitor and a 100 kΩ resistor in parallel to the input.
IF sweeper's output level:
Set as minimum as enough for adjustment.
FM MPX adjustment:
For this adjustment, connect a 100 kΩ resistor in series to a frequency counter's input.

Dummy antenna for short wave.



Lod length (cm)	L > 90	90 ≧ L ≧ 60	L < 60
C1 (PE)	10	8	6

R1 + R2 = 80 Ω R1 : Output impedance of SSG.

Fig. 8-1

Loop Antenna

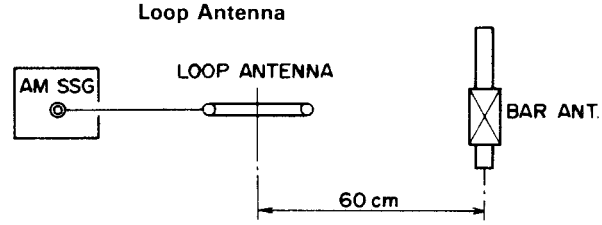


Fig. 8-2

■ Preset Memory (Initialize)

BAND \ ch	M1	M2	M3	M4	M5
AM (kHz)	530	600	1000	1500	530
FM (MHz)	87.5	88	98	106	87.5

■ AM IF Alignment and Check

(The unit should not usualy require adjustment. Follow the steps below when adjustments are necessary.)

1. Band select switch	AM or MW
2. Tuning position	Near the highest frequency position where no signal come in.
3. Volume control	Minimum gain position.
4. IF input	Positive side to TP3.
5. IF output	Positive side to TP6, Negative side to TP7.
6. Adjusting parts	T2
7. Alignment methode	Adjust above mentioned aligning position so that maximum and symmetrical wave form can be obtained in this case, the wave peak should be appeared on the center marker (450 kHz) in the scope of sweeper.

■ FM Tracking Alignment

Step	Band	Antenna of SSG	Frequency of SSG	Preset Channel	Aligning Methode	Alignment Position
1	FM	Unbalanced 75 Ω	108 MHz	1ch & Down	Make the voltage at TP9 within 4.4±0.02 V.	L1
2		Positive side to TP1	88 MHz	2ch	Receive 88 MHz.	L2
3		Negative side to TP2	106 MHz	4ch	Receive 106 MHz.	TC1
4			Repeat the step 2,3 adjust for no further improvement.			L2,TC1

■ FM MPX Alignment

Step	Band	Antenna of SSG	Frequency of SSG	Preset Channel	Aligning Methode	Alignment Position
	FM MPX	Unbalanced 75 Ω	98 MHz 60 dB Modulation 1 kHz, 75 kHz dev.	3ch	Separation should be more than 25 dB. (* SEA: 10 kHz minimum.)	

■ FM IF Alignment and Check

(The unit should not usualy require adjustment. Follow the steps below when adjustments are necessary.)

1. Band select switch	FM
2. Tuning position	Near the highest frequency position where no signal come in.
3. Volume control	Minimum gain position.
4. IF input	Positive side to TP4.
5. IF output	Positive side to TP6, Negative side to TP7.
6. Adjusting parts	IF: T1
7. Alignment methode	① Remove CF3 to obtain single peak wave form. ② Adjust T1 to maximize 10.7 MHz signal level. ③ After the adjustment set and connect CF3 as it was.

■ AM Tracking Alignment

Step	Band	Antenna of SSG	Frequency of SSG	Preset Channel	Aligning Methode	Alignment Position
1	LW PC-Y777 B/E/G	Standard Loop Antenna	288 kHz	1ch & Down	Make the voltage at TP9 within 4.5±0.02 V.	L6
2			162 kHz	2ch	2ch receive.	L4
3			270 kHz	4ch	4ch receive.	TC4
4			Repeat the step 2 & 3 adjust for no further improvement.			L4,TC4
5			1,629 kHz	1ch & down	Make TC3 to center.	TC3
6					Measure the voltage at TP9. ① If the measurement is higher than 4.7 V. ② If the measurement is 4.4 ~ 4.7 V do not turn L5. ③ If the measurement is lower than 4.4 V do not turn L5.	L5
7	MW PC-Y777 B/E/G		522 kHz	1ch	① Make the voltage at TP9 within 1.1±0.02 V. ② Make the voltage at TP9 within 1.0±0.02 V. ③ Make the voltage at TP9 within 0.95±0.02 V.	TC3
8			603 kHz	2ch	Receive 603 kHz.	L3
			1,404 kHz	4ch	Receive 1,404 kHz.	TC2
9			Repeat the step 7.8 adjust for no further improvement.			L3, TC2

■ Loading of Adjustment

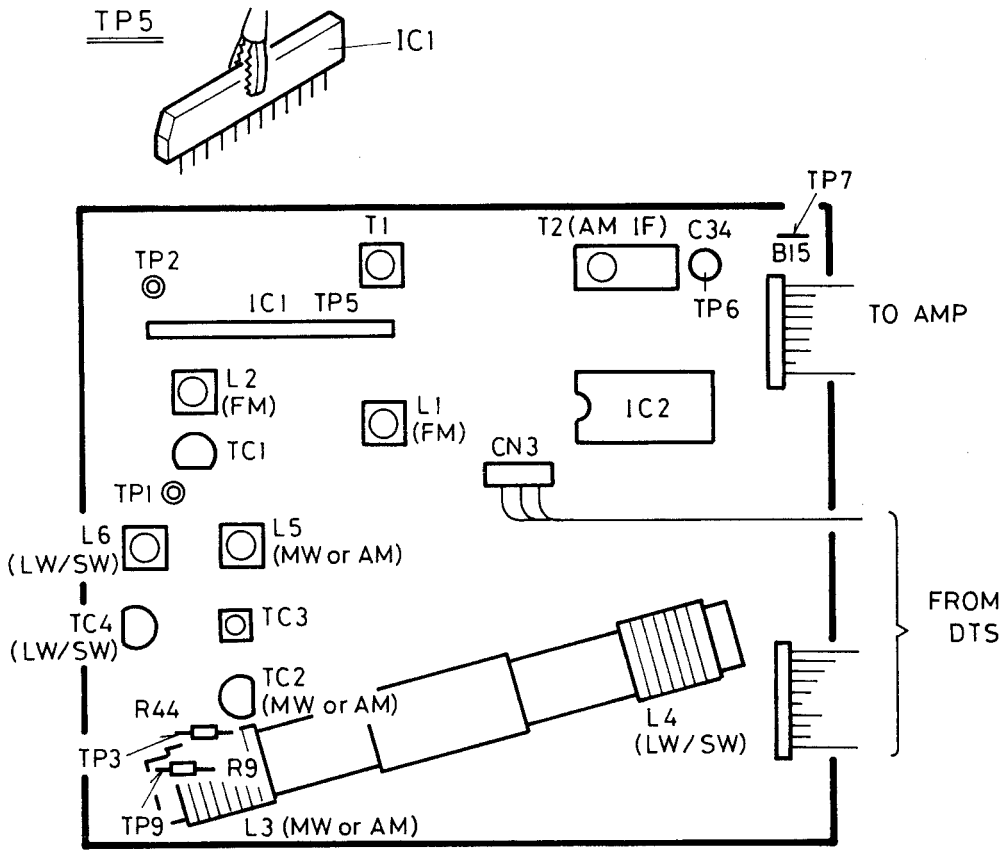


Fig. 8-3

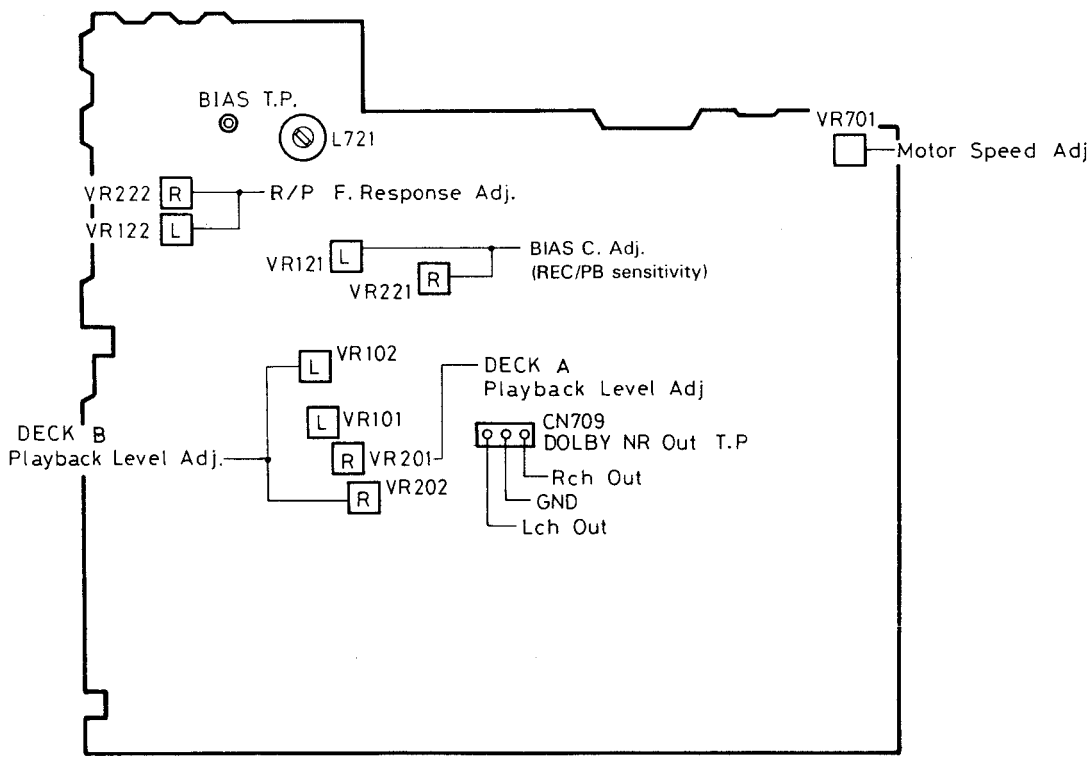
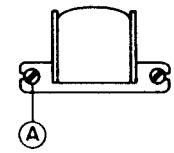


Fig. 8-4

■ Mechanism and Amplifier Sections

Item	Measuring Conditions and Main Adjustments	Standard Value	Adjusting Point
Head azimuth adjustment (Both A and B mechanisms)	[Conditions] 1. Mode : PLAY 2. Test tape : VTT703L (10 kHz) 3. Measuring point : Headphone OUT [Adjustment] 1. Connect an electronic voltmeter to the headphone jack. 2. Play back the test tape VTT703L. 3. Adjust the head azimuth with screw Ⓐ until the reading of the electronic voltmeter becomes within −1 dB from the peak and then adjust the phase difference to zero. 4. Adjust to peak between FWD/REV within −4 dB from the peak.	Within −1 dB from the peak	 Fig. 8-5
Tape speed and wow-flutter confirmation	[Conditions] 1. Mode : PLAY, Normal speed 2. Test tape : VTT712 at tape end 3. Measuring point : Headphone OUT [Adjustment & Confirmation] 1. Connect a wow-flutter meter to headphone out. 2. Play back the test tape VTT712 at tape end to B mechanism. 3. B mechanism: Adjust by VR701 to become 3,000 Hz ±10 Hz A mechanism: Against B mechanism, tape speed is within ±50 Hz +100 Hz. 4. Check to see if reading of the meter is less than 0.22% (JIS RMS).	Normal speed: 2,910~3,100 Hz High speed: 5,100~5,700 Hz Wow-flutter: less than 0.22% (JIS RMS)	
Playback level	[Conditions] 1. Test tape: VTT724 2. Mode: PLAY, Normal speed 3. Measuring point: DOLBY NR OUT TP. [Adjustment] 1. Connect a E-voltmeter to DOLBY NR out TP. 2. Adjust VR101, VR201 (Deck A) or VR102, VR202 (Deck B) while playing VTT724 so that TP output becomes −11 dBs ±1 dB.	−11 dBs±1 dB	A L VR101 R VR201 B L VR102 R VR202
Playback frequency response confirmation (Both A and B mechanisms)	[Conditions] 1. Test tape : VTT739 2. Mode : PLAY, Normal speed 3. Measureing point : DOLBY OUT TP [Confirmation] 1. Mode : Normal A/B mechanism : Play back the test tape VTT739 difference level against 1 kHz. 1 kHz/125 Hz : within −7 ±4 dB 1 kHz/10 kHz : within 0 ±3 dB 2. Mode : Metal/CrO_2 Play back VTT739 and to check the difference between Normal position and Metal/CrO_2 position at DOLBY OUT TP. 10 kHz : within −4 dB ±2 dB.	A/B mechanism, Normal 1 kHz/125 Hz: within −7±4 dB 1 kHz/10 kHz within 0 ±3 dB B mechanism, Metal/against Normal position within −4 dB ±2 dB	

Item	Measuring Conditions and Main Adjustments	Standard Value	Adjusting Point
Bias frequency confirmation	[Conditions] 1. Measuring point : BIAS TP 2. Mode : Mechanism A ... REC/PAUSE [Adjustment] Connect the frequency counter to the BIAS TP through a 100 kΩ, then adjust L721 so that the counter reads 68 kHz ±0.5 kHz.	68 kHz±3 kHz (Beat cut switch: 1) B. switch 2: 70 kHz ±1 kHz B. switch 3: 66 kHz ±1 kHz	L721
Recording and playback frequency response confirmation	[Conditions] Record and play back measuring tape TS-12 on Deck A at CD IN REF −20 dB. [Adjustments] Adjust VR122 and VR222 so that the Record/Play output becomes 0 ±1 dB at 10 kHz at DOLBY OUT TP.	1 kHz/100 Hz: −7±4 dB 1 kHz/8 kHz: 0±4 dB	L VR122 R VR222
Rec./playback sensitivity adjustment	[Conditions] 1. Mode: REC, PLAY ..... Mechanism A 2. Test tape: UR (TS8) 3. Measuring point: input ..... CD out jack in output ... TP; CN709 connector [Adjustment] 1. Reference signal 1 kHz; −5 dBs to be applied to CD out jack in. 2. Adjust the VR121 (L ch) and VR221 (R ch) so that 1 kHz −5 dBs against monitor level becomes 0 ± 1 dB.	0 ± 1 dB	L ch : VR121 R ch : VR221

9 Block Diagram

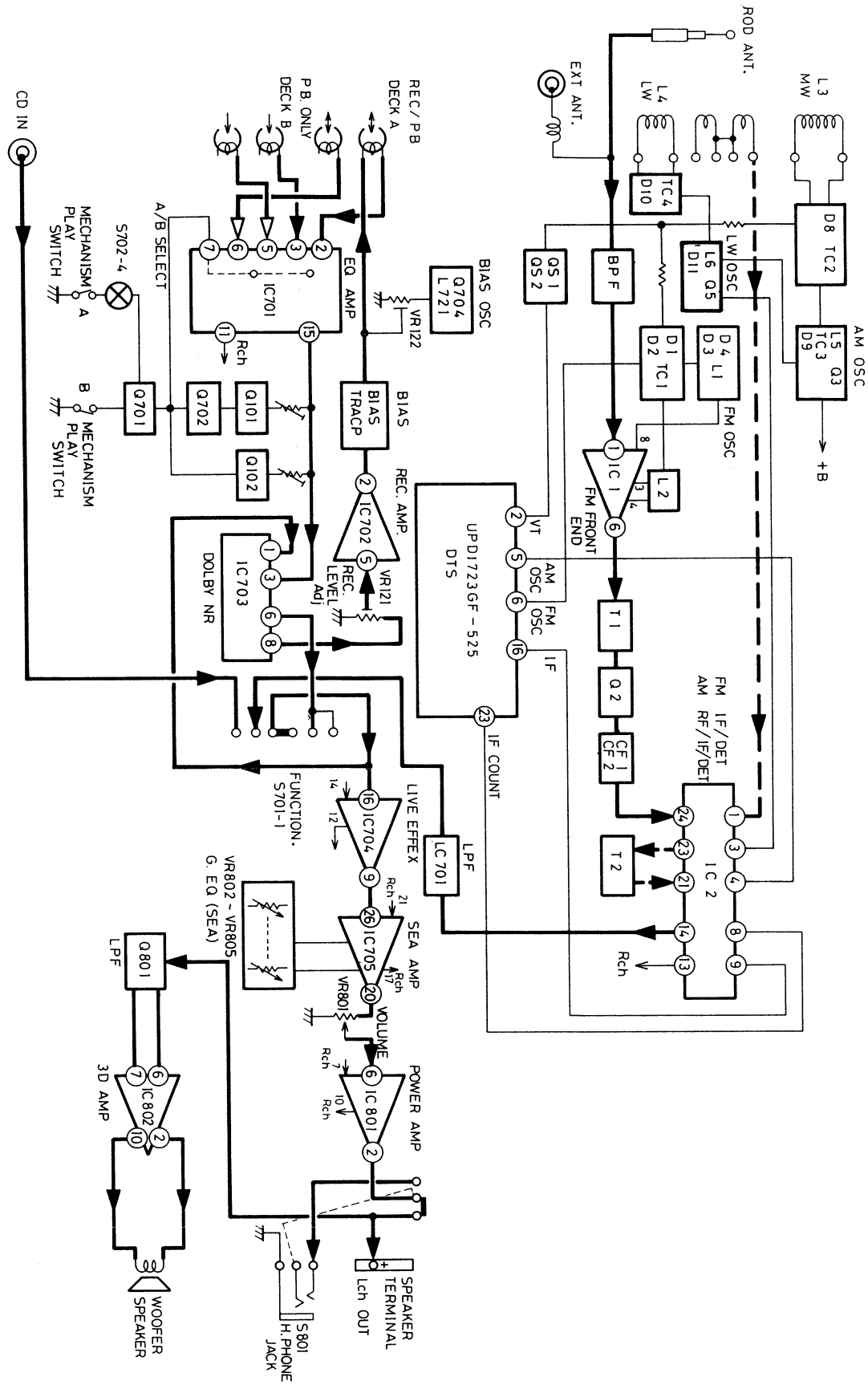


Fig. 9-1

10 Standard Schematic Diagram (Tuner Sections: VDH7052-002TW/PC-Y777 B/E)

VOLTAGES FM1 88MHz AM 810kHz

IC1	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	FM NO SIGNAL	0.8	1.5	3.9	1.5	0	3.9	3.1	3.9	3.9															
IC2	FM NO SIGNAL	5.0	5.0	5.0	5.0	5.0	4.4	5.0	0	5.0	5.0	5.0	0	1.0	1.0	4.3	4.1	4.1	0.6	1.1	4.1	5.0	4.8	5.0	5.0
	AM NO SIGNAL	5.2	5.2	5.2	4.8	5.2	4.6	0.3	0	5.2	5.2	5.2	0	1.0	1.0	4.7	5.2	4.9	0.6	1.3	4.6	5.2	4.5	5.2	5.2
	FM NO SIGNAL	0	1.1	0.5	4.6	2.6	1.9	4.9	4.6	4.6	0	0	5.0	4.5	4.5	4.5	0.1	0.1	0.4	0	0	4.6	0	2.2	2.2
ICS1	PIN NO.	25	26	27	28	29	30~55			56	57	58	59	60	61	62	63	64							
	FM NO SIGNAL	2.2	0	4.6	0	0	1.77			2.2	2.2	0	0	0	0	3.6	5.0	1.3							

TR NO.	Q1			Q2			Q3			Q5			Q7			Q8			Q9			Q10			Q11			Q12		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
FM NO SIGNAL	1.5	3.9	2.2	0	4.6	0.7	0	0	0	0	0	0.7	5.4	5.4	4.8	5.0	4.9	4.3	5.0	4.1	4.9	0	0.2	0.6	5.4	0	4.9	0	4.9	0
AM NO SIGNAL	0	0.8	0.7	0	4.8	0.7	0	0	0	0	0	0.7	5.5	5.5	4.9	5.2	0.8	5.1	5.2	5.2	4.95	0	4.7	0	5.5	0	5.1	0	5.1	0

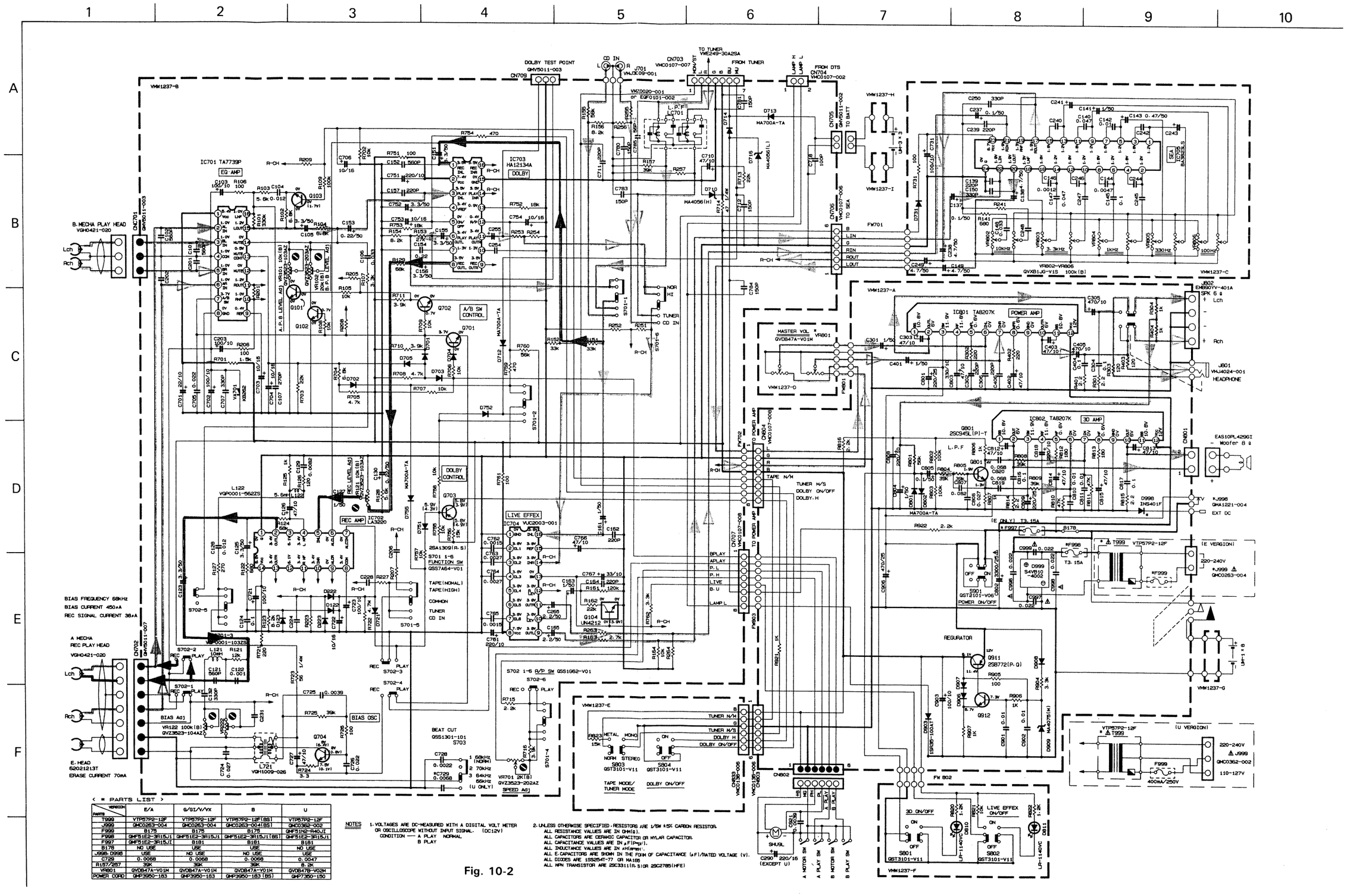
TR NO.	QS1			QS2			Q13			Q14		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B
FM NO SIGNAL	0.62	5.4	1.1	0	1.5	0.6	0	0	0	5.0	5.0	5.0
							0	0	0	5.2	5.2	5.2

NOTES

1. VOLTAGES ARE DC-MEASRED WITH A DIGITAL VOLT METER.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).
   MA165(SI DIODE) CAN BE CHANGED TO 1SS270T OR 1SS254T. HS104TJ.
3. CF1. CF2 AND CF3 CONTITUTF C. FILTER KIT NUMBERD KMFC481-A
4. LAST NO. C76. R55. CS35. RS38
5. BLANK NO. C5. 7. 14. 18. 19. 53. 54. 56~58. 62~64. 66~70
   R7. 11~15. 17. 18. 21~24. 27. 29. 30. 33. 34. 36. 39. 41~43. 45. 46. 48. 51. 53. 54
   CS3. 11. 12. 16. 18. 19. 21 30. 33. 34
   CS6~9. 11. 14. 26. 28. 31~37

Fig. 10-1

(Amplifier Sections: VDH7052-003AV/PC-Y777 B/E)


VWM1237-B
VWM1237-H
VWM1237-I
VWM1237-C
VWM1237-A
VWM1237-D
VWM1237-E
VWM1237-F
VWM1237-G
B. MECHA PLAY HEAD
VGH0421-020
E. HEAD
62021213T
ERASE CURRENT 70mA
A MECHA
REC PLAY HEAD
VGH0421-020
BIAS FREQUENCY 68kHz
BIAS CURRENT 450uA
REC SIGNAL CURRENT 38uA
IC701 TA7739P
EQ AMP
IC703 HA12134A
DOLBY
IC704 VUC2003-001
LIVE EFFEX
IC702 LA3220
REC AMP
IC801 TA8207K
POWER AMP
IC802 TA8207K
3D AMP
DOLBY TEST POINT
CD IN
TO TUNER
FROM TUNER
FROM DTS
TO BATT
TO SEA
TO POWER AMP
TAPE M/M
TUNER M/S
DOLBY ON/OFF
DOLBY H
A/B SW CONTROL
BIAS OSC
BIAS Adj
DOLBY CONTROL
FUNCTION SW
TAPE(NORAL)
TAPE(HIGH)
COMMON
TUNER
CD IN
REC LEVEL Adj
A.P.B LEVEL Adj
BEAT CUT
SPEED Adj
MASTER VOL
REGURATOR
3D ON/OFF
LIVE EFFEX ON/OFF
POWER ON/OFF
SPK 6Ω
Lch
Rch
HEADPHONE
EXT DC
(E VERGION)
(U VERGION)
220-240V
110-127V
400mA/250V
SEA
SUB WOOFER
EAS10PL4296I
Woofer 8Ω
FW701
FW802
FW803
FW804
CN701
CN702
CN703
CN704
CN705
CN706
CN707
CN709
CN801
CN802
CN803
CN804
J701
J801
J802
SW701-1
SW701-2
SW701-3
SW701-4
SW701-5
SW701-6
S702-1
S702-2
S702-3
S702-4
S702-5
S702-6
S703
S801
S802
S803
S804
VR101
VR102
VR122
VR701
VR801
VR802-VR806
VR901
Q101
Q102
Q103
Q104
Q701
Q702
Q703
Q704
Q801
Q911
Q912
D701
D702
D703
D704
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D706
D710
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D713
D714
D716
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D801
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D998
D999
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L838
L839
L840

11 Wiring Connections

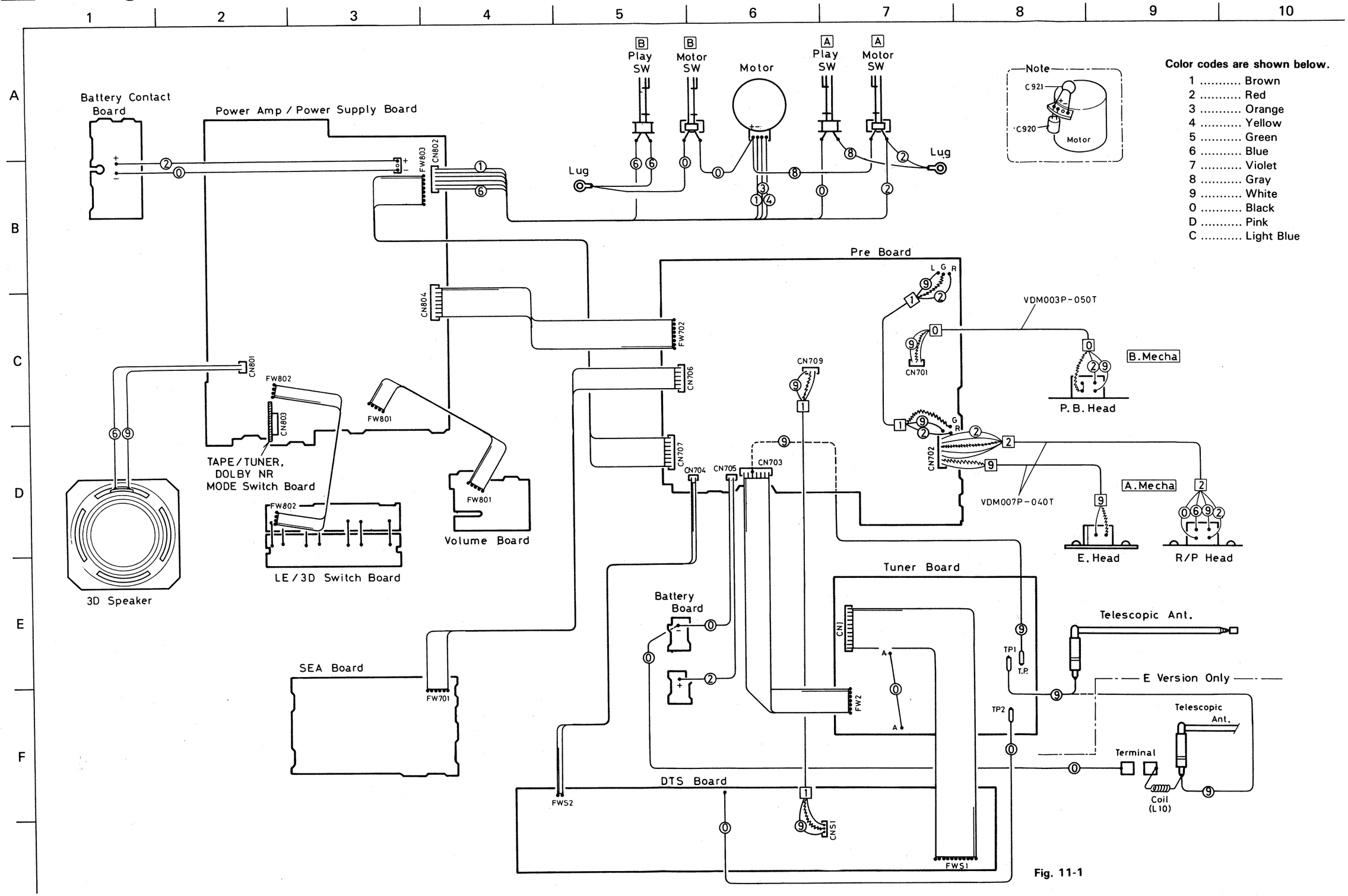
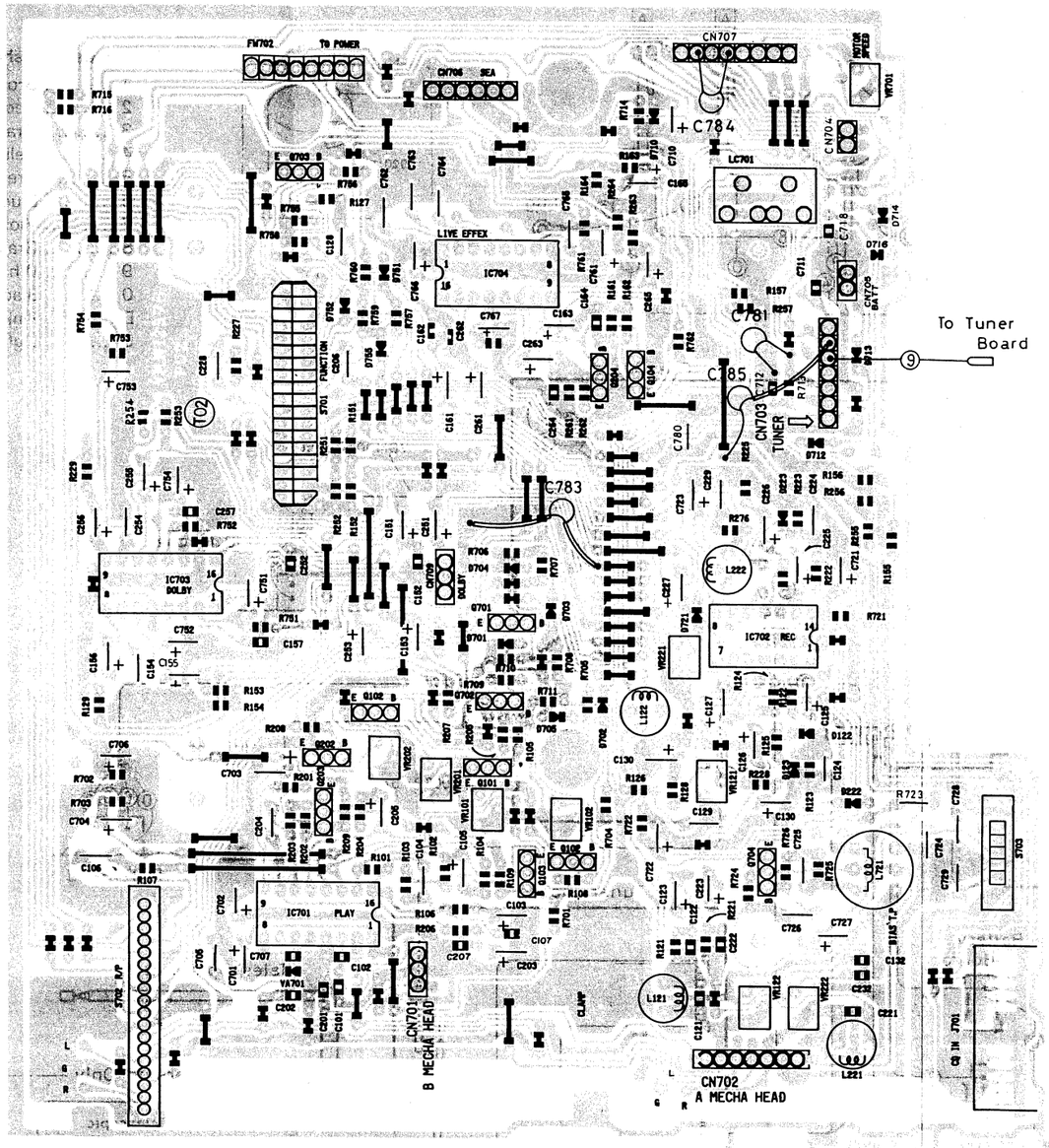


Fig. 11-1

12 Location of P.C. Board Parts and Parts List ■ Pre-amplifier Board: Drawing number VMW1737/PC-Y777 B/E

Version	F997/BUS	F998/BUS	F999/BUS
J	BUS	F998	F999
C	F997	BUS	BUS
E	F997	F998	BUS



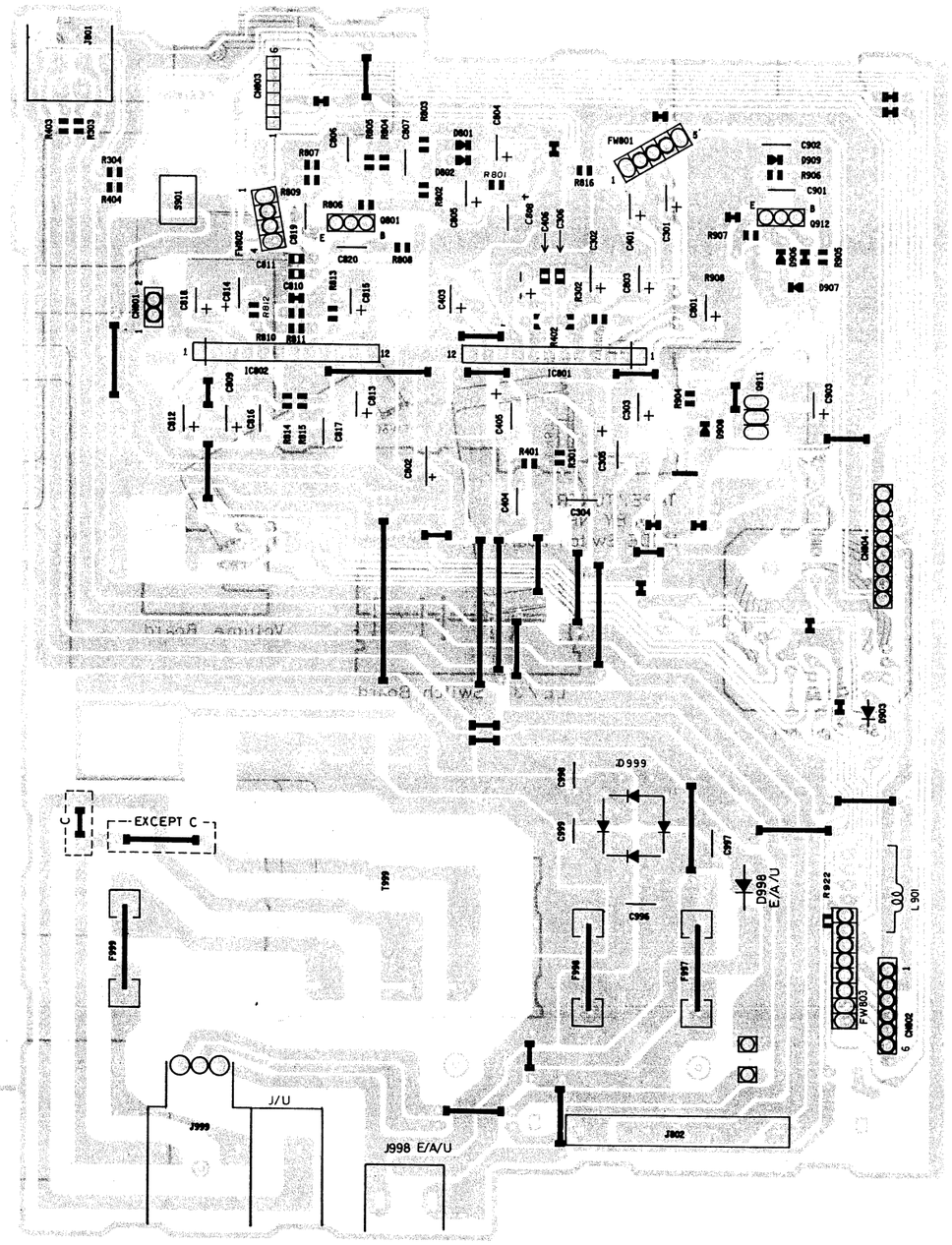


Fig. 12-1

■ SEA Board

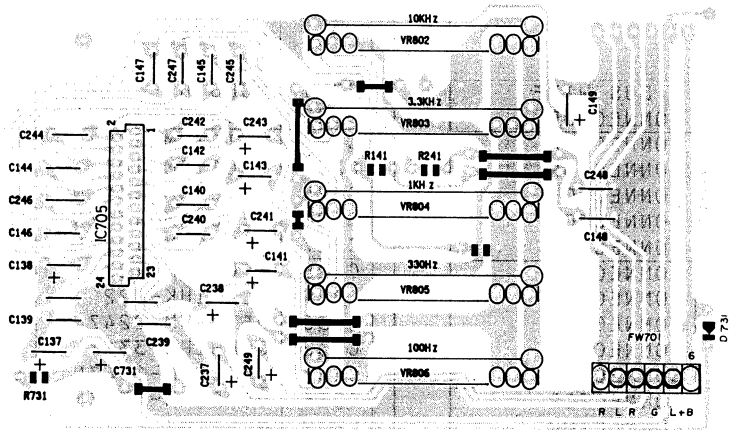


Fig. 12-3

■ TAPE/TUNER, DOLBY NR MODE Switch Board

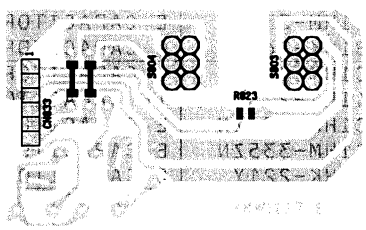


Fig. 12-4

■ 3D/LE Switch Board

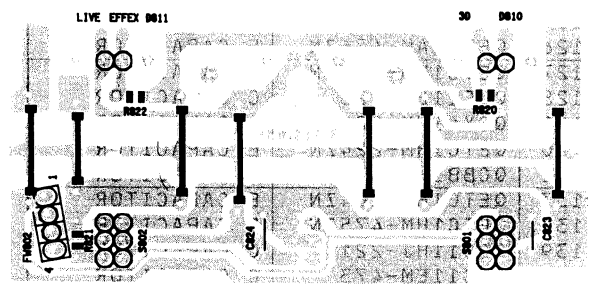


Fig. 12-5

■ Volume Board

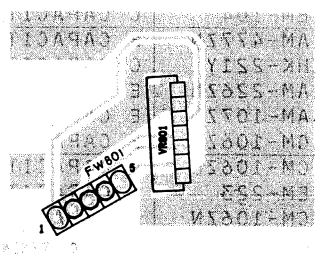


Fig. 12-6

■ Battery Terminal Board

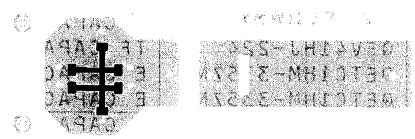


Fig. 12-7

■ Pre-amplifier/Power Board Parts List

⚠ Parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME
	B123	VMZ0067-050	F BUS WIRE
	CN701	QMV5011-003	CONNECTOR
	CN702	QMV5011-007	CONNECTOR
	CN703	VMC0107-007	CONNECTOR
	CN704	VMC0107-002	CONNECTOR
	CN705	QMV5011-002	CONNECTOR
	CN706	VMC0107-006	CONNECTOR
	CN707	VMC0107-008	CONNECTOR
	CN709	QMV5011-003	CONNECTOR
	CN801	QMV5011-002	CONNECTOR
	CN802	QMV5011-006	CONNECTOR
	CN803	VMC0135-006	CONNECTOR
	CN804	VMC0107-008	CONNECTOR
	CN833	VMC0136-006	CONNECTOR
	C101	QCBB1HK-561Y	C CAPACITOR
	C102	QCBB1HK-561Y	C CAPACITOR
	C103	QETC1AM-107ZN	E CAPACITOR
	C104	QCC11EM-123	C CAPACITOR
	C105	QETC1HM-335ZN	E CAPACITOR
	C106	QCC11EM-333	C CAPACITOR
	C107	QCBB1HK-271Y	C CAPACITOR
	C121	QCBB1HK-561Y	C CAPACITOR
	C122	QCBB1HK-102Y	C CAPACITOR
	C123	QETC1HM-335ZN	E CAPACITOR
	C124	QCC11EM-104	C CAPACITOR
	C125	QETC1HM-335ZN	E CAPACITOR
	C126	QETC1AM-476ZN	E CAPACITOR
	C127	QETC1HM-105ZN	E CAPACITOR
	C128	QCC11EM-123	C CAPACITOR
	C129	QCY41HK-822	C CAPACITOR
	C130	QETC1HM-224ZN	E CAPACITOR
	C132	QCBB1HK-331Y	C CAPACITOR
	C137	QETC1HM-104ZN	E CAPACITOR
	C138	QETC1HM-475ZN	E CAPACITOR
	C139	QCS11HJ-221	C CAPACITOR
	C140	QCC11EM-473	C CAPACITOR
	C141	QETC1HM-105ZN	E CAPACITOR
	C142	QCC11EM-103	C CAPACITOR
	C143	QETC1HM-474ZN	E CAPACITOR
	C144	QCY41HK-472	C CAPACITOR
	C145	QCC11EM-104	C CAPACITOR
	C146	QCY41HK-122	C CAPACITOR
	C147	QCC11EM-473	C CAPACITOR
	C148	QCC11EM-333	C CAPACITOR
	C149	QETC1HM-475ZN	E CAPACITOR
	C150	QCS11HJ-331	C CAPACITOR
	C151	QETC1HM-335ZN	E CAPACITOR
	C152	QCBB1HK-561Y	C CAPACITOR
	C153	QETC1HM-224ZN	E CAPACITOR
	C154	QFV41HJ-224	TF CAPACITOR
	C155	QETC1HM-335ZN	E CAPACITOR
	C156	QETC1HM-335ZN	E CAPACITOR
	C157	QCBB1HK-221Y	C CAPACITOR
	C161	QETC1HM-105ZN	E CAPACITOR
	C162	QCBB1HK-221Y	C CAPACITOR
	C163	QETC1HM-105ZN	E CAPACITOR
	C164	QCBB1HK-221Y	C CAPACITOR
	C165	QETC1HM-225ZN	E CAPACITOR
	C201	QCBB1HK-561Y	C CAPACITOR
	C202	QCBB1HK-561Y	C CAPACITOR
	C203	QETC1AM-107ZN	E CAPACITOR
	C204	QCC11EM-123	C CAPACITOR
	C205	QETC1HM-335ZN	E CAPACITOR
	C206	QCC11EM-333	C CAPACITOR
	C207	QCBB1HK-271Y	C CAPACITOR
	C221	QCBB1HK-561Y	C CAPACITOR
	C222	QCBB1HK-102Y	C CAPACITOR
	C223	QETC1HM-335ZN	E CAPACITOR
	C224	QCC11EM-104	C CAPACITOR
	C225	QETC1HM-335ZN	E CAPACITOR
	C226	QETC1AM-476ZN	E CAPACITOR
	C227	QETC1HM-105ZN	E CAPACITOR
	C228	QCC11EM-123	C CAPACITOR
	C229	QCY41HK-822	C CAPACITOR
	C230	QETC1HM-224ZN	E CAPACITOR
	C232	QCBB1HK-331Y	C CAPACITOR
	C237	QETC1HM-104ZN	E CAPACITOR
	C238	QETC1HM-475ZN	E CAPACITOR
	C239	QCS11HJ-221	C CAPACITOR
	C240	QCC11EM-473	C CAPACITOR
	C241	QETC1HM-105ZN	E CAPACITOR
	C242	QCC11EM-103	C CAPACITOR
	C243	QETC1HM-474ZN	E CAPACITOR
	C244	QCY41HK-472	C CAPACITOR
	C245	QCC11EM-104	C CAPACITOR
	C246	QCY41HK-122	C CAPACITOR
	C247	QCC11EM-473	C CAPACITOR
	C248	QCC11EM-333	C CAPACITOR
	C249	QETC1HM-475ZN	E CAPACITOR
	C250	QCS11HJ-331	C CAPACITOR
	C251	QETC1HM-335ZN	E CAPACITOR
	C252	QCBB1HK-561Y	C CAPACITOR
	C253	QETC1HM-224ZN	E CAPACITOR
	C254	QFV41HJ-224	TF CAPACITOR
	C255	QETC1HM-335ZN	E CAPACITOR
	C256	QETC1HM-335ZN	E CAPACITOR
	C257	QCBB1HK-221Y	C CAPACITOR
	C261	QETC1HM-105ZN	E CAPACITOR
	C262	QCBB1HK-221Y	C CAPACITOR
	C263	QETC1HM-105ZN	E CAPACITOR
	C264	QCBB1HK-221Y	C CAPACITOR
	C265	QETC1HM-225ZN	E CAPACITOR
	C301	QETC1HM-105ZN	E CAPACITOR
	C302	QETC1AM-476ZN	E CAPACITOR
	C303	QETC1AM-476ZN	E CAPACITOR
	C304	QCC11EM-104	C CAPACITOR
	C305	QETC1AM-477ZN	E CAPACITOR
	C306	QCBB1HK-221Y	C CAPACITOR
	C401	QETC1HM-105ZN	E CAPACITOR
	C402	QETC1AM-476ZN	E CAPACITOR
	C403	QETC1AM-476ZN	E CAPACITOR
	C404	QCC11EM-104	C CAPACITOR
	C405	QETC1AM-477ZN	E CAPACITOR
	C406	QCBB1HK-221Y	C CAPACITOR
	C701	QETC1AM-226ZN	E CAPACITOR
	C702	QETC1AM-107ZN	E CAPACITOR
	C703	QETC1CM-106ZN	E CAPACITOR
	C704	QETC1CM-106ZN	E CAPACITOR
	C705	QCC11EM-223	C CAPACITOR
	C706	QETC1CM-106ZN	E CAPACITOR
	C707	QCBB1HK-331Y	C CAPACITOR
	C710	QETC1AM-476ZN	E CAPACITOR
	C711	QCBB1HK-221Y	C CAPACITOR
	C712	QCBB1HK-151Y	C CAPACITOR
	C718	QCBB1HK-101Y	C CAPACITOR
	C721	QETC1AM-107ZN	E CAPACITOR
	C722	QETC1CM-106ZN	E CAPACITOR

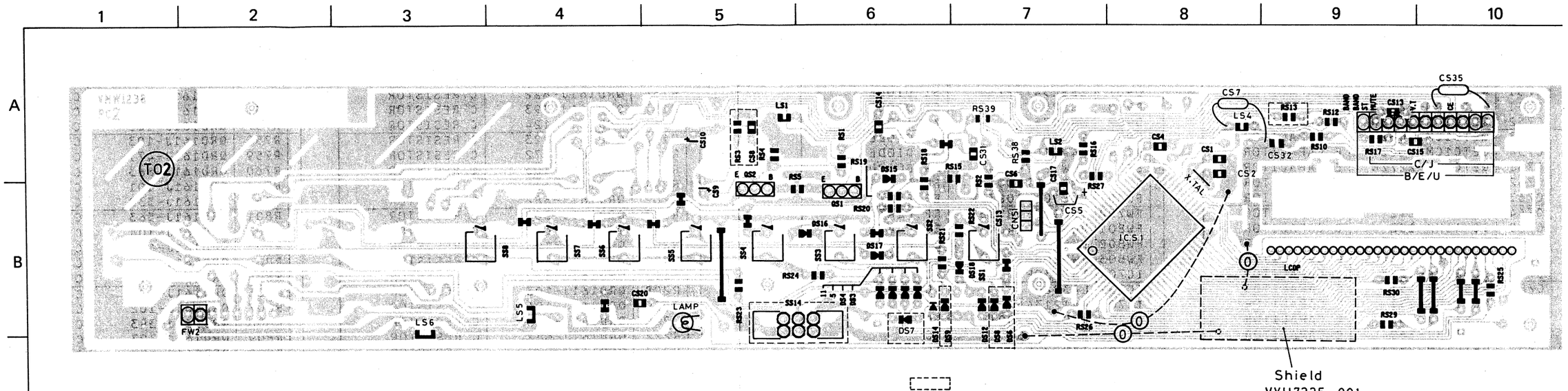
⚠	REF.	PARTS NO.	PARTS NAME
	C723	QETC1AM-107ZN	E CAPACITOR
	C724	QFV71HJ-273ZM	TF.CAPACITOR
	C725	QFN41HJ-392	M CAPACITOR
	C726	QCC11EM-223	C CAPACITOR
	C727	QETC1AM-476ZN	E CAPACITOR
	C728	QCY41HK-222	C.CAPACITOR
	C729	QCY41HK-682	C.CAPACITOR
	C731	QETC1AM-107ZN	E CAPACITOR
	C751	QETC1AM-227ZN	E CAPACITOR
	C752	QETC1HM-335ZN	E CAPACITOR
	C753	QETC1CM-106ZN	E CAPACITOR
	C754	QETC1CM-106ZN	E CAPACITOR
	C761	QETC1AM-227ZN	E CAPACITOR
	C762	QCY41HK-152	C CAPACITOR
	C763	QCY41HK-272	C CAPACITOR
	C764	QCY41HK-272	C CAPACITOR
	C765	QCY41HK-152	C CAPACITOR
	C766	QETC1AM-476ZN	E CAPACITOR
	C767	QETC1AM-226ZN	E CAPACITOR
	C780	QCBB1HK-151Y	C CAPACITOR
	C781	QCS11HJ-151	C CAPACITOR
	C783	QCS11HJ-151	C CAPACITOR
	C784	QCS11HJ-151	C CAPACITOR
	C785	QCS11HJ-560	C CAPACITOR
⚠	C801	QETC1EM-227ZN	E CAPACITOR
⚠	C802	QETB1EM-338N	E CAPACITOR
⚠	C803	QETC1AM-337ZN	E CAPACITOR
	C804	QETC1HM-105ZN	E CAPACITOR
	C805	QETC1HM-104ZN	E CAPACITOR
	C806	QCC31EM-273ZV	C CAPACITOR
	C807	QFV41HJ-823	TF.CAPACITOR
	C808	QETC1AM-227ZN	E CAPACITOR
	C809	QETC1EM-227ZN	E CAPACITOR
	C810	QCVB1CM-103Y	C CAPACITOR
	C811	QCVB1CM-103Y	C CAPACITOR
	C812	QETC1AM-476ZN	E CAPACITOR
	C813	QETC1AM-476ZN	E CAPACITOR
	C814	QETC1AM-476ZN	E CAPACITOR
	C815	QETC1AM-476ZN	E CAPACITOR
	C816	QCC11EM-104	C CAPACITOR
	C817	QCC11EM-104	C CAPACITOR
	C818	QETC1AM-227ZN	E CAPACITOR
	C819	QCC11EM-683	C CAPACITOR
	C820	QCC11EM-683	C CAPACITOR
	C901	QCC11EM-103	C CAPACITOR
	C902	QCC11EM-103	C CAPACITOR
	C903	QETC1AM-107ZN	E CAPACITOR
	C906	QETB1EM-477N	E.CAPACITOR
⚠	C996	QCF11HP-223	C CAPACITOR
⚠	C997	QCF11HP-223	C CAPACITOR
⚠	C998	QCF11HP-223	C CAPACITOR
⚠	C999	QCF11HP-223	C CAPACITOR
	D122	MA165	SI DIODE
	D123	MA165	SI DIODE
	D222	MA165	SI DIODE
	D223	MA165	SI DIODE
	D701	MA165	SI DIODE
	D702	MA165	SI DIODE
	D703	MA165	SI DIODE
	D704	MA165	SI DIODE
	D705	MA165	SI DIODE
	D710	MA4056(H)	Z DIODE
	D712	MA700A	S.B.DIODE
	D713	MA700A	S.B.DIODE
	D714	1SS254T	SI DIODE
	D716	MA4056(L)	SI DIODE
	D721	MA165	SI DIODE
	D731	1SS254T-77	SI DIODE
	D751	MA165	SI DIODE
	D752	MA165	SI DIODE

⚠	REF.	PARTS NO.	PARTS NAME
	D755	MA700A	S.B.DIODE
	D801	MA700A	S.B.DIODE
	D802	MA700A	S.B.DIODE
	D810	LR-1140VC	LED
	D811	LR-1140VC	LED
	D903	1SR35-100AT-93	SI DIODE
	D906	1SS254T-77	SI DIODE
	D907	1SS254T-77	SI DIODE
	D908	1SS254T-77	SI DIODE
	D909	MA4075(L)	Z DIODE
	D998	1N5401F	SI DIODE
⚠	D999	S4VB10-4002	SI DIODE
⚠	EF)	VMW1237-004	PW BOARD
⚠	F	VMZ0087-001Z	FUSE CLIP
	FW701	VWS106-10B33K	EF FLAT
	FW702	VWS108-12B33K	EF FLAT
	FW801	VWS105-143K3K	EF FLAT
	FW802	VWS104-163K3K	EF FLAT
	FW803	VWS108-14B33K	EF FLAT
	IC701	TA7739P	IC
	IC702	LA3220	IC
	IC703	HA12134A	IC
	IC704	VUC2003-001	IC
	IC705	BA3823LS	IC
⚠	IC801	TA8207K	IC
⚠	IC802	TA8207K	IC
	J701	VMJ3009-001	JACK ASSY
	J801	VMJ4024-001	JACK
	J802	EMB90YV-401A	SPK.TERMINAL
	J998	QMA1221-004	DC JACK
	J999	QMC0263-004	AC SOCKET
	LC701	EQF0101-002	FILTER
	L121	VQP0001-103ZS	INDUCTOR
	L122	VQP0001-562ZS	INDUCTOR
	L221	VQP0001-103ZS	INDUCTOR
	L222	VQP0001-562ZS	INDUCTOR
	L721	VQH1009-026	OSC COIL
	L901	T41572-001	CHOKE COIL
	Q101	2SC945L(P,Q)	TRANSISTOR
	Q102	2SC945L(P,Q)	TRANSISTOR
	Q103	2SC945L(P,Q)	TRANSISTOR
	Q104	AA1F4M-T	TRANSISTOR
	Q201	2SC945L(P,Q)	TRANSISTOR
	Q202	2SC945L(P,Q)	TRANSISTOR
	Q203	2SC945L(P,Q)	TRANSISTOR
	Q204	AA1F4M-T	TRANSISTOR
	Q701	2SC945L(P,Q)	TRANSISTOR
	Q702	2SC945L(P,Q)	TRANSISTOR
	Q703	2SA733A(P,Q)	TRANSISTOR
	Q704	2SC945L(P,Q)	TRANSISTOR
	Q801	2SC945L(P)	TRANSISTOR
⚠	Q911	2SB772(Q,P)	TRANSISTOR
	Q912	2SC945L(P,Q)	TRANSISTOR
	R101	QRD161J-334	C RESISTOR
	R102	QRD161J-682	C RESISTOR
	R103	QRD161J-562	C RESISTOR
	R104	QRD161J-682	C RESISTOR
	R105	QRD161J-103	C RESISTOR
	R106	QRD161J-101	C RESISTOR
	R107	QRD161J-332	C RESISTOR
	R108	QRD161J-103	C RESISTOR
	R109	QRD161J-104	C RESISTOR
	R121	QRD161J-123	C RESISTOR
	R122	QRD161J-681	C RESISTOR
	R123	QRD161J-822	C RESISTOR
	R124	QRD161J-683	C RESISTOR
	R125	QRD161J-102	C RESISTOR
	R126	QRD161J-121	C RESISTOR
	R127	QRD161J-271	C RESISTOR
	R128	QRD161J-562	C RESISTOR

⚠	REF.	PARTS NO.	PARTS NAME
	R129	QRD161J-683	C RESISTOR
	R141	QRD161J-681	C RESISTOR
	R151	QRD161J-333	C RESISTOR
	R152	QRD161J-333	C RESISTOR
	R153	QRD161J-273	C RESISTOR
	R154	QRD161J-822	C RESISTOR
	R155	QRD161J-563	C RESISTOR
	R156	QRD161J-822	C RESISTOR
	R157	QRD161J-393	C RESISTOR
	R161	QRD161J-124	C RESISTOR
	R162	QRD161J-223	C RESISTOR
	R163	QRD161J-272	C RESISTOR
	R164	QRD161J-103	C RESISTOR
	R201	QRD161J-334	C RESISTOR
	R202	QRD161J-682	C RESISTOR
	R203	QRD161J-562	C RESISTOR
	R204	QRD161J-682	C RESISTOR
	R205	QRD161J-103	C RESISTOR
	R206	QRD161J-101	C RESISTOR
	R207	QRD161J-332	C RESISTOR
	R208	QRD161J-103	C RESISTOR
	R209	QRD161J-104	C RESISTOR
	R221	QRD161J-123	C RESISTOR
	R222	QRD161J-681	C RESISTOR
	R223	QRD161J-822	C RESISTOR
	R224	QRD161J-683	C RESISTOR
	R225	QRD161J-102	C RESISTOR
	R226	QRD161J-121	C RESISTOR
	R227	QRD161J-271	C RESISTOR
	R228	QRD161J-562	C RESISTOR
	R229	QRD161J-683	C RESISTOR
	R241	QRD161J-681	C RESISTOR
	R251	QRD161J-333	C RESISTOR
	R252	QRD161J-333	C RESISTOR
	R253	QRD161J-273	C RESISTOR
	R254	QRD161J-822	C RESISTOR
	R255	QRD161J-563	C RESISTOR
	R256	QRD161J-822	C RESISTOR
	R257	QRD161J-393	C RESISTOR
	R261	QRD161J-124	C RESISTOR
	R262	QRD161J-223	C RESISTOR
	R263	QRD161J-272	C.RESISTOR
	R264	QRD161J-103	C RESISTOR
⚠	R301	QRD161J-2R2	C RESISTOR
	R302	QRD161J-221	C RESISTOR
	R303	QRD161J-121	C RESISTOR
	R304	QRD161J-102	C RESISTOR
⚠	R401	QRD161J-2R2	C RESISTOR
	R402	QRD161J-221	C RESISTOR
	R403	QRD161J-121	C RESISTOR
	R404	QRD161J-102	C RESISTOR
	R701	QRD161J-152	C RESISTOR
	R702	QRD161J-103	C RESISTOR
	R703	QRD161J-223	C RESISTOR
	R704	QRD161J-682	C RESISTOR
	R705	QRD161J-472	C RESISTOR
	R706	QRD161J-103	C RESISTOR
	R707	QRD161J-103	C RESISTOR
	R708	QRD161J-472	C RESISTOR
	R709	QRD161J-103	C RESISTOR
	R710	QRD161J-392	C RESISTOR
	R711	QRD161J-392	C RESISTOR
	R713	QRD161J-223	C RESISTOR
	R714	QRD14CJ-470SX	UNF.C.RES.I.M
	R715	QRD161J-222	C RESISTOR
	R716	QRD161J-392	C RESISTOR
	R721	QRD161J-221	C RESISTOR
	R722	QRD161J-475	C RESISTOR
	R723	QRD14CJ-560SX	C RESISTOR
	R724	QRD161J-3R3	C RESISTOR

⚠	REF.	PARTS NO.	PARTS NAME
	R725	QRD161J-393	C RESISTOR
	R726	QRD161J-101	C RESISTOR
	R731	QRD161J-101	C RESISTOR
	R751	QRD161J-101	C RESISTOR
	R752	QRD161J-183	C RESISTOR
	R753	QRD161J-183	C RESISTOR
	R754	QRD161J-471	C RESISTOR
	R755	QRD161J-103	C RESISTOR
	R756	QRD161J-153	C RESISTOR
	R757	QRD161J-103	C RESISTOR
	R758	QRD161J-103	C RESISTOR
	R759	QRD161J-471	C RESISTOR
	R760	QRD161J-563	C RESISTOR
	R761	QRD161J-101	C RESISTOR
	R762	QRD161J-332	C RESISTOR
	R801	QRD161J-563	C RESISTOR
	R802	QRD161J-104	C RESISTOR
	R803	QRD161J-104	C RESISTOR
	R804	QRD161J-393	C RESISTOR
	R805	QRD161J-393	C RESISTOR
	R806	QRD161J-102	C RESISTOR
	R807	QRD161J-102	C RESISTOR
	R808	QRD161J-393	C RESISTOR
	R809	QRD161J-393	C RESISTOR
	R810	QRD161J-473	C RESISTOR
	R811	QRD161J-473	C RESISTOR
	R812	QRD161J-181	C RESISTOR
	R813	QRD161J-181	C RESISTOR
	R814	QRD161J-2R2	C RESISTOR
	R815	QRD161J-2R2	C RESISTOR
	R816	QRD161J-222	C RESISTOR
	R820	QRD161J-122	C RESISTOR
	R821	QRD161J-103	C RESISTOR
	R822	QRD161J-122	C RESISTOR
	R823	QRD161J-153	C RESISTOR
	R904	QRD161J-332	C RESISTOR
	R905	QRD161J-101	C RESISTOR
	R906	QRD161J-102	C RESISTOR
	R907	QRD161J-102	C RESISTOR
	R921	QRD161J-102	C RESISTOR
	R922	QRD161J-222	C RESISTOR
	S701	QSS7A64-V01	SLIDE SWITCH
	S702	QSS1G62-V01	SLIDE SWITCH
	S703	QSS1301-101	SLIDE SWITCH
	S801	QST3101-V11	PUSH SWITCH
	S802	QST3101-V11	PUSH SWITCH
	S803	QST3101-V11	PUSH SWITCH
	S804	QST3101-V11	PUSH SWITCH
⚠	S901	QST2101-V06	PUSH SWITCH
	T3.15	VND4003-013	FUSE LABEL
	VA701	KB262	VARISTOR
	VR101	QVZ3523-103AZ	V RESISTOR
	VR102	QVZ3523-203AZ	V RESISTOR
	VR121	QVZ3523-103AZ	V RESISTOR
	VR122	QVZ3523-104AZ	SEMI.V.RESISTOR
	VR201	QVZ3523-103AZ	V RESISTOR
	VR202	QVZ3523-203AZ	V RESISTOR
	VR221	QVZ3523-103AZ	V RESISTOR
	VR222	QVZ3523-104AZ	SEMI.V.RESISTOR
	VR701	QVZ3523-202AZ	V RESISTOR
	VR801	QVDB47A-V01M	V RESISTOR
	VR802	QVXB1JG-V15	V RESISTOR
	VR803	QVXB1JG-V15	V RESISTOR
	VR804	QVXB1JG-V15	V RESISTOR
	VR805	QVXB1JG-V15	V RESISTOR
	VR806	QVXB1JG-V15	V RESISTOR

■ DTS (Digital Tuning System) Board: Drawing number VMW1283/PC-Y777 B /E



Version \ Ref No	RS3	RS13	DS6	DS7	DS8	DS9	CS8	SS14
J	○	—	○	—	—	○	○	—
B / E	○	○	—	—	○	—	○	—

Fig. 12-8

■ Tuner Board: Drawing number VMW2278/PC-Y777 B/E

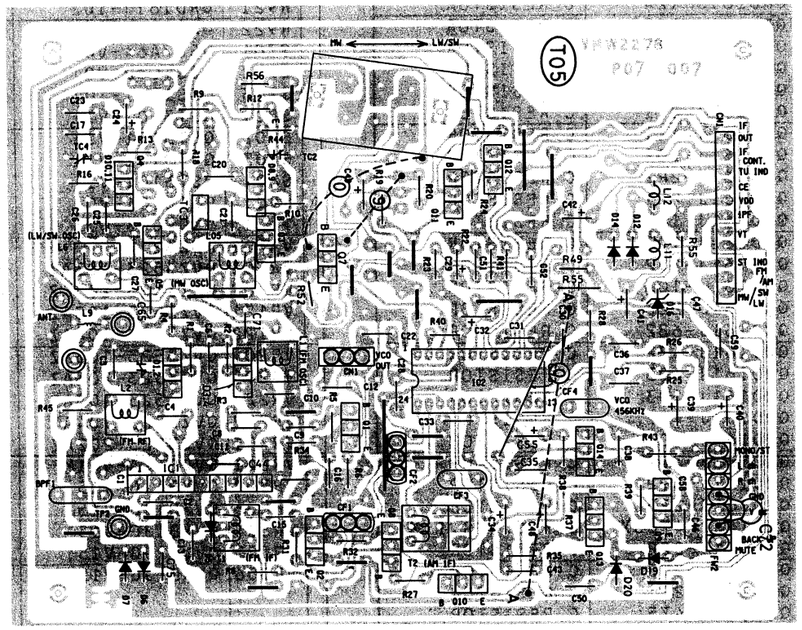


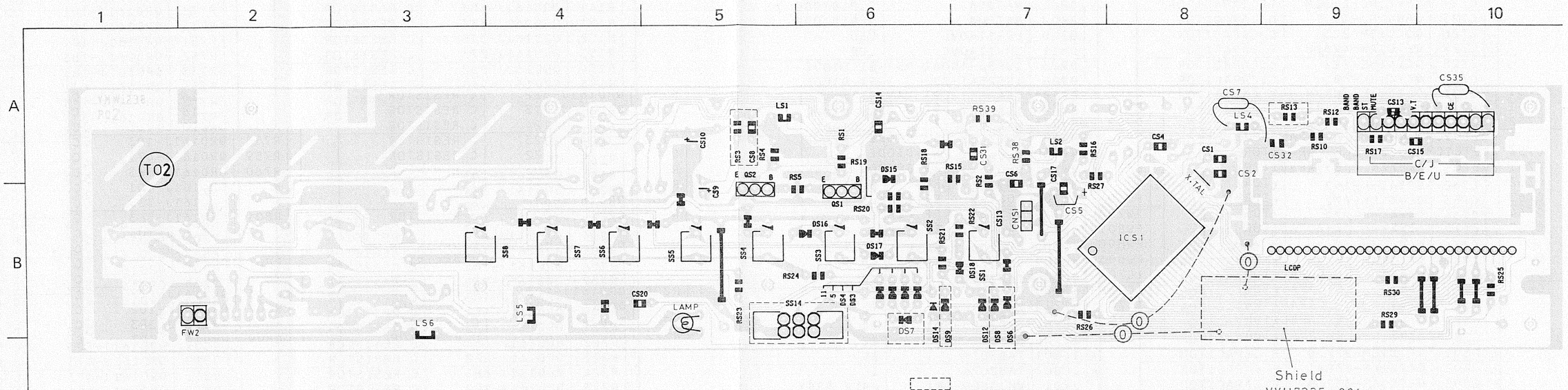
Fig. 12-9

• DTS Board Parts List: PC-Y777 B/E

⚠	REF.	PARTS NO.	PARTS NAME
	CS01	QCBB1HK-101Y	C CAPACITOR
	CS02	QCT05CH-150	C CAPACITOR
	CS04	QCVB1CM-103Y	C CAPACITOR
	CS05	QEE51EM-155	TS E CAPACITOR
	CS06	QCVB1CM-103Y	C CAPACITOR
	CS07	QCS11HJ-330	C CAPACITOR
	CS08	QCXB1CM-562Y	C CAPACITOR
	CS09	QER41HM-225	E CAPACITOR
	CS10	QER41HM-225	E CAPACITOR
	CS13	QCBB1HK-151Y	C CAPACITOR
	CS14	QCBB1HK-151Y	C CAPACITOR
	CS15	QCBB1HK-151Y	C CAPACITOR
	CS17	QCXB1CM-222Y	C CAPACITOR
	CS20	QCBB1HK-151Y	C CAPACITOR
	CS31	QCXB1CM-222Y	C CAPACITOR
	CS32	QCBB1HK-102Y	C CAPACITOR
	CS35	QCBB1HK-151Y	C CAPACITOR
	DS03	MA165	SI DIODE
	DS04	MA165	SI DIODE
	DS05	MA165	SI DIODE
	DS08	MA165	SI DIODE
	DS12	MA165	SI DIODE
	DS14	MA165	SI DIODE
	DS15	MA165	SI DIODE
	DS16	MA165	SI DIODE
	DS17	MA165	SI DIODE
	DS18	MA165	SI DIODE
	ICS1	UPD1723GF-531	
	LCDP	VGL1083-001	LCD PANEL
	LS01	VQC1304-001	COIL
	LS02	VQP0012-471	INDUCTOR
	LS04	VQC1304-001	COIL
	LS05	VQC1304-001	COIL
	LS06	VQC1304-001	COIL
	PLS1	VGZ0001-039	P.LAMP
	QS01	2SC2785(E,F)	TRANSISTOR
	QS02	2SC2785(E,F)	TRANSISTOR
	RS01	QRD161J-222	C RESISTOR
	RS02	QRD161J-222	C RESISTOR
	RS03	QRD161J-222	C RESISTOR

⚠	REF.	PARTS NO.	PARTS NAME
	RS04	QRD161J-332	CARBON RESISTOR
	RS05	QRD161J-471	CARBON RESISTOR
	RS10	QRD161J-473	C RESISTOR
	RS12	QRD161J-103	CARBON RESISTOR
	RS13	QRD161J-103	CARBON RESISTOR
	RS15	QRD161J-104	C RESISTOR
	RS16	QRD161J-103	CARBON RESISTOR
	RS17	QRD161J-102	C RESISTOR
	RS18	QRD161J-102	C RESISTOR
	RS19	QRD161J-222	C RESISTOR
	RS20	QRD161J-222	C RESISTOR
	RS21	QRD161J-222	C RESISTOR
	RS22	QRD161J-222	C RESISTOR
	RS23	QRD161J-472	C RESISTOR
	RS24	QRD161J-472	C RESISTOR
	RS25	QRD161J-472	C RESISTOR
	RS27	QRD161J-104	CARBON RESISTOR
	RS29	QRD161J-472	C RESISTOR
	RS30	QRD161J-472	C RESISTOR
	RS38	QRD161J-102	C RESISTOR
	RS39	QRD161J-102	C RESISTOR
	RS41	QRD161J-104	C RESISTOR
	SS01	QSP4H11-V06Z	TACT SWITCH
	SS02	QSP4H11-V06Z	TACT SWITCH
	SS03	QSP4H11-V06Z	TACT SWITCH
	SS04	QSP4H11-V06Z	TACT SWITCH
	SS05	QSP4H11-V06Z	TACT SWITCH
	SS06	QSP4H11-V06Z	TACT SWITCH
	SS07	QSP4H11-V06Z	TACT SWITCH
	SS08	QSP4H11-V06Z	TACT SWITCH
	XTAL	V472124-A0	CRYSTAL

■ DTS (Digital Tuning System) Board: Drawing number VMW1283/PC-Y777 B /E



Version \ Ref No	RS3	RS13	DS6	DS7	DS8	DS9	CS8	SS14
J	○	—	○	—	—	○	○	—
B / E	○	○	—	—	○	—	○	—

Fig. 12-8

■ Tuner Board: Drawing number VMW2278/PC-Y777 B/E

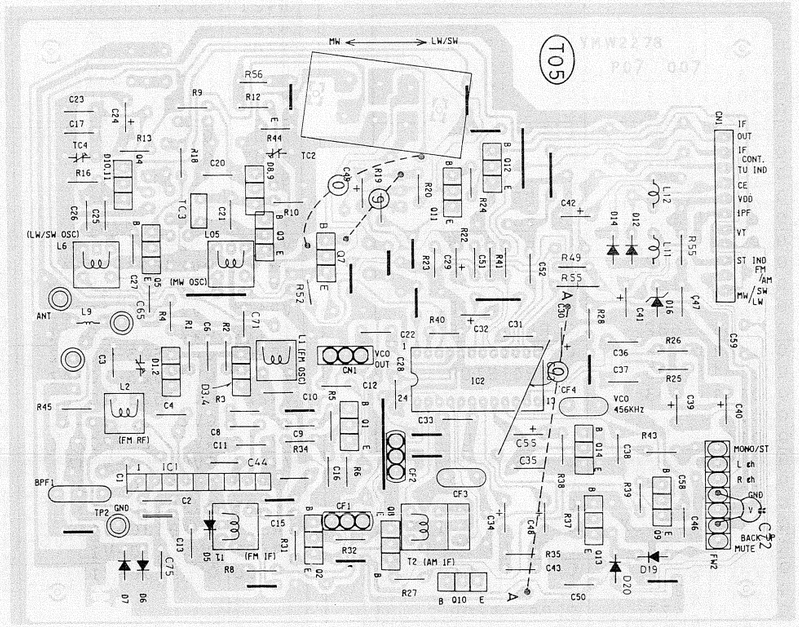


Fig. 12-9

• DTS Board Parts List: PC-Y777 B/E

⚠	REF.	PARTS NO.	PARTS NAME
	CS01	QCBB1HK-101Y	C CAPACITOR
	CS02	QCTO5CH-150	C CAPACITOR
	CS04	QCVB1CM-103Y	C CAPACITOR
	CS05	QEE51EM-155	TS E CAPACITOR
	CS06	QCVB1CM-103Y	C CAPACITOR
	CS07	QCS11HJ-330	C CAPACITOR
	CS08	QCXB1CM-562Y	C CAPACITOR
	CS09	QER41HM-225	E CAPACITOR
	CS10	QER41HM-225	E CAPACITOR
	CS13	QCBB1HK-151Y	C CAPACITOR
	CS14	QCBB1HK-151Y	C CAPACITOR
	CS15	QCBB1HK-151Y	C CAPACITOR
	CS17	QCXB1CM-222Y	C CAPACITOR
	CS20	QCBB1HK-151Y	C CAPACITOR
	CS31	QCXB1CM-222Y	C CAPACITOR
	CS32	QCBB1HK-102Y	C CAPACITOR
	CS35	QCBB1HK-151Y	C CAPACITOR
	DS03	MA165	SI DIODE
	DS04	MA165	SI DIODE
	DS05	MA165	SI DIODE
	DS08	MA165	SI DIODE
	DS12	MA165	SI DIODE
	DS14	MA165	SI DIODE
	DS15	MA165	SI DIODE
	DS16	MA165	SI DIODE
	DS17	MA165	SI DIODE
	DS18	MA165	SI DIODE
	ICS1	UPD1723GF-531	
	LCDP	VGL1083-001	LCD PANEL
	LS01	VQC1304-001	COIL
	LS02	VQP0012-471	INDUCTOR
	LS04	VQC1304-001	COIL
	LS05	VQC1304-001	COIL
	LS06	VQC1304-001	COIL
	PLS1	VGZ0001-039	P.LAMP
	QS01	2SC2785(E,F)	TRANSISTOR
	QS02	2SC2785(E,F)	TRANSISTOR
	RS01	QRD161J-222	C RESISTOR
	RS02	QRD161J-222	C RESISTOR
	RS03	QRD161J-222	C RESISTOR

⚠	REF.	PARTS NO.	PARTS NAME
	RS04	QRD161J-332	CARBON RESISTOR
	RS05	QRD161J-471	CARBON RESISTOR
	RS10	QRD161J-473	C RESISTOR
	RS12	QRD161J-103	CARBON RESISTOR
	RS13	QRD161J-103	CARBON RESISTOR
	RS15	QRD161J-104	C RESISTOR
	RS16	QRD161J-103	CARBON RESISTOR
	RS17	QRD161J-102	C RESISTOR
	RS18	QRD161J-102	C RESISTOR
	RS19	QRD161J-222	C RESISTOR
	RS20	QRD161J-222	C RESISTOR
	RS21	QRD161J-222	C RESISTOR
	RS22	QRD161J-222	C RESISTOR
	RS23	QRD161J-472	C RESISTOR
	RS24	QRD161J-472	C RESISTOR
	RS25	QRD161J-472	C RESISTOR
	RS27	QRD161J-104	CARBON RESISTOR
	RS29	QRD161J-472	C RESISTOR
	RS30	QRD161J-472	C RESISTOR
	RS38	QRD161J-102	C RESISTOR
	RS39	QRD161J-102	C RESISTOR
	RS41	QRD161J-104	C RESISTOR
	SS01	QSP4H11-V06Z	TACT SWITCH
	SS02	QSP4H11-V06Z	TACT SWITCH
	SS03	QSP4H11-V06Z	TACT SWITCH
	SS04	QSP4H11-V06Z	TACT SWITCH
	SS05	QSP4H11-V06Z	TACT SWITCH
	SS06	QSP4H11-V06Z	TACT SWITCH
	SS07	QSP4H11-V06Z	TACT SWITCH
	SS08	QSP4H11-V06Z	TACT SWITCH
	XTAL	V472124-A0	CRYSTAL

• Tuner Board Parts List: PC-Y777 B/E

⚠	REF.	PARTS NO.	PARTS NAME
	BPF	VBP4M3B-005	BP FILTER
	CF04	CSB456F18	CERA LOCK
	CN01	VMC0107-011	CONNECTOR
	CN03	QMV5011-003	CONNECTOR
	C001	QCS11HJ-200	C CAPACITOR
	C002	QCBB1HK-102Y	C CAPACITOR
	C003	QCS11HJ-5R0	C CAPACITOR
	C004	QCT05CH-100	C CAPACITOR
	C006	QCXB1CM-222Y	C CAPACITOR
	C008	QCT05CH-200	C CAPACITOR
	C009	QCT30CH-2R2Y	C CAPACITOR
	C010	QCT05CH-150	C CAPACITOR
	C011	QCC11EM-103	C CAPACITOR
	C012	QCBB1HK-151Y	C CAPACITOR
	C013	QCC11EM-103	C CAPACITOR
	C015	QCVB1CN-103Y	C CAPACITOR
	C016	QCC11EM-223	C CAPACITOR
	C017	QCS11HJ-330	C CAPACITOR
	C020	QCC11EM-473	C CAPACITOR
	C021	QFS41HJ-391	P S.CAPACITOR
	C022	QCVB1CN-103Y	C CAPACITOR
	C023	QCS11HJ-8R0	C CAPACITOR
	C024	QER41HM-104	E CAPACITOR
	C025	QCS11HJ-150	C CAPACITOR
	C026	QCS11HJ-221	C CAPACITOR
	C027	QCBB1HK-151Y	C CAPACITOR
	C028	QCC11EM-473	C CAPACITOR
	C029	QETC1HM-475ZN	E CAPACITOR
	C030	QETC1AM-107ZN	E CAPACITOR
	C031	QCC11EM-473	C CAPACITOR
	C032	QCC11EM-473	C CAPACITOR
	C033	QCBB1HK-331Y	C CAPACITOR
	C034	QETC1HM-335ZN	E CAPACITOR
	C035	QCC11EM-683	C CAPACITOR
	C036	QCC11EM-123	C CAPACITOR
	C037	QCC11EM-123	C CAPACITOR
	C038	QETC1HM-225ZN	E CAPACITOR
	C039	QETC1HM-474ZN	E CAPACITOR
	C040	QETC1HM-474ZN	E CAPACITOR
	C041	QETC0JM-477ZN	E CAPACITOR
	C042	QETC0JM-477ZN	E CAPACITOR
	C043	QCXB1CM-222Y	C CAPACITOR
	C044	QCT05CH-100	C CAPACITOR
	C045	QCC11EM-223	C CAPACITOR
	C046	QCBB1HK-151Y	C CAPACITOR
	C047	QCBB1HK-151Y	C CAPACITOR
	C048	QETC1HM-105ZN	E CAPACITOR
	C049	QETC1HM-105ZN	E CAPACITOR
	C050	QCBB1HK-151Y	C CAPACITOR
	C051	QCVB1CN-103Y	C CAPACITOR
	C052	QCVB1CN-103Y	C CAPACITOR
	C055	QETC1HM-104ZN	E CAPACITOR
	C059	QCC11EM-473	C CAPACITOR
	C060	QCC11EM-473	C CAPACITOR
	C061	QCT30CH-2R2Y	C CAPACITOR
	C065	QCBB1HK-151Y	C CAPACITOR
	C071	QCBB1HK-471Y	C CAPACITOR
	C072	QCS11HJ-221	C CAPACITOR
	C073	QCS11HJ-151	C CAPACITOR
	C074	QETA1HM-104	E CAPACITOR
	C075	QCS11HJ-680	C CAPACITOR
	C076	QCBB1HK-151Y	C CAPACITOR
	D001	KV1330	VARI.CAPCITOR
	D002	KV1330	VARI.CAPCITOR
	D005	MA165	SI DIODE
	D006	KV1250	VARI CAP
	D007	MA165	SI DIODE
	D008	KV1250	VARI CAP
	D009	KV1250	VARI CAP
	D010	KV1250	VARI CAP
	D011	KV1250	VARI CAP
	D012	MA165	SI DIODE
	D019	MA165	SI DIODE
	D020	MA165	SI DIODE
	IC01	TA7358P(N)	IC

⚠	REF.	PARTS NO.	PARTS NAME
	IC02	TA8132AN	IC
	L001	V03105-029MN	OSC COIL
	L002	VQF1B12-003	RF COIL
	L003	VQB010B-507	BAR ANTENA
	L004	VQB010B-507	BAR ANTENA
	L005	VQM7U02-403	OSC COIL(MW)
	L006	VQL7U02-501	OSC COIL(LW)
	L009	V03047-17	COIL
	L011	VQC1304-001	COIL
	L012	VQC1304-001	COIL
	Q001	2SC1923(O)E2	TRANSISTOR
	Q002	2SC1923(O)E2	TRANSISTOR
	Q003	2SC2785(E,F)	TRANSISTOR
	Q005	2SC2785(E,F)	TRANSISTOR
	Q007	2SA1309(R,S)	TRANSISTOR
	Q008	2SA1309(R,S)	TRANSISTOR
	Q009	2SA1309(R,S)	TRANSISTOR
	Q010	2SC2785(E,F)	TRANSISTOR
	Q011	2SA1317(S,T)	TRANSISTOR
	Q012	2SC2785(E,F)	TRANSISTOR
	Q013	2SD1302(S,T)	TRANSISTOR
	Q014	2SA1309(R,S)	TRANSISTOR
	R001	QRD161J-104	C RESISTOR
	R002	QRD161J-473	C RESISTOR
	R003	QRD161J-4R7	C RESISTOR
	R004	QRD161J-102	C RESISTOR
	R005	QRD161J-823	C RESISTOR
	R006	QRD161J-102	C RESISTOR
	R008	QRD161J-181	C RESISTOR
	R009	QRD161J-102	C RESISTOR
	R010	QRD161J-104	C RESISTOR
	R012	QRD161J-103	C RESISTOR
	R013	QRD161J-103	C RESISTOR
	R016	QRD161J-104	C RESISTOR
	R018	QRD161J-103	C RESISTOR
	R019	QRD161J-102	C RESISTOR
	R020	QRD161J-104	C RESISTOR
	R022	QRD161J-103	C RESISTOR
	R023	QRD161J-103	C RESISTOR
	R024	QRD161J-103	C RESISTOR
	R025	QRD161J-222	C RESISTOR
	R026	QRD161J-222	C RESISTOR
	R027	QRD161J-103	C RESISTOR
	R028	QRD149J-220S	C.RESISTOR
	R031	QRD161J-334	C RESISTOR
	R032	QRD161J-331	C RESISTOR
	R035	QRD161J-152	C RESISTOR
	R037	QRD161J-393	C RESISTOR
	R038	QRD161J-223	C RESISTOR
	R039	QRD161J-103	C RESISTOR
	R040	QRD161J-822	C RESISTOR
	R041	QRD161J-103	C RESISTOR
	R043	QRD161J-103	C RESISTOR
	R044	QRD161J-334	C RESISTOR
	R045	QRD161J-103	C RESISTOR
	R047	QRD161J-472	C RESISTOR
	R049	QRD161J-102	C RESISTOR
	R050	QRD161J-102	C RESISTOR
	R052	QRD161J-222	CARBON RESISTOR
	R055	QRD161J-101	C RESISTOR
	R056	QRD161J-102	C RESISTOR
	TC01	QAT3620-100M	T CAPACITOR
	TC02	QAT3620-100M	T CAPACITOR
	TC03	QAT3620-100M	T CAPACITOR
	TC04	QAT3620-200M	T.CAPACITOR
	TU	KMFC481-A	C FILTER KIT
	T001	VQT7F12-111	IFT
	T002	VQT7A21-105	IFT

13 Exploded View of Mechanism Component and Parts List

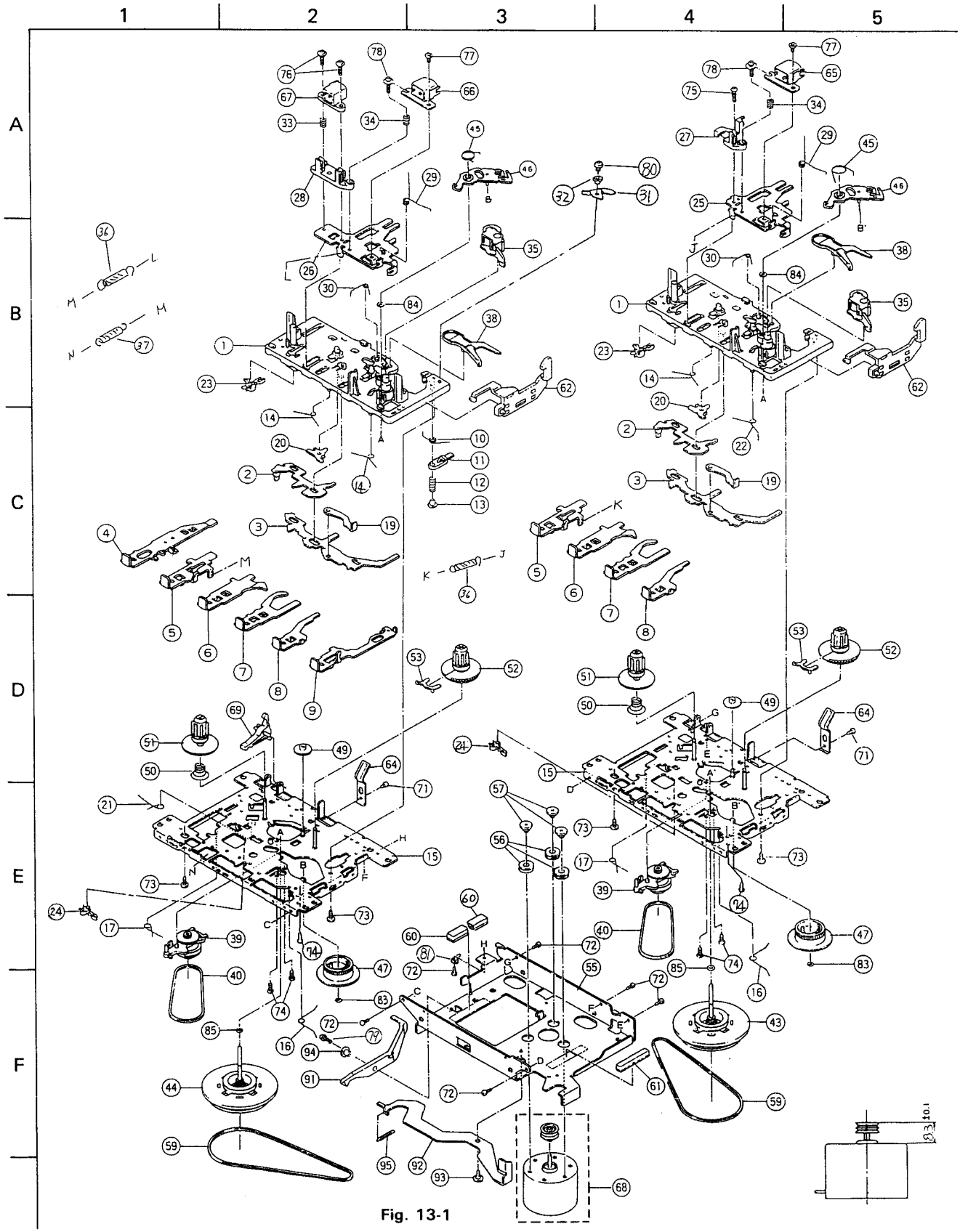


Fig. 13-1

• Mechanism Component Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
⚠	**58,68**	**1921123182T**	**MOTOR ASS'Y**		**1**
	1	192114301T	BASE ASS'Y		2
	2	19211409T	SWITCH ACTUATOR		2
	3	19211438T	PUSH BUTTON ACTUATOR		2
	4	19211422T	BUTTON LEVER	REC	1
	5	19211484T	BUTTON LEVER	PLAY	2
	6	19211424T	BUTTON LEVER	REW	2
	7	91211425T	BUTTON LEVER	FF	2
	8	19211426T	BUTTON LEVER	STOP	2
	9	19211461T	BUTTON LEVER	PAUSE	1
	10	19211413T	P CONTROL SPRING		1
	11	19211455T	PAUSE LEVER (E)		1
	12	19211412T	PAUSE LEVER SPRING		1
	13	19211411T	PAUSE STOPPER		1
	14	19211414T	BUTTON LEVER SPRING (A)		3
	15	192101501T	CHASSIS ASS'Y		2
	16	19211416T	E ACTUATOR SPRING		2
	17	19211417T	P.S. LEVER SPRING		2
	19	182101159T	E KICK LEVER		2
	20	19211420T	P.R. STOPPER		2
	21	19211421T	BUTTON LEVER SPRING	REC	1
	22	19211433T	BUTTON LEVER SPRING (C)		1
	23	640101149T	LEAF SWITCH	MSW-1541T	2
	24	640101161T	LEAF SWITCH	MSW-17820MDVO	2
	25	19210311T	HEAD PANEL		1
	26	19210312T	HEAD PANEL		1
	27	19210304AT	HEAD BASE		1
	28	19210306T	HEAD BASE		1
	29	19210309T	PANEL P SPRING		2
	30	19211418T	M. CONTROL SPRING		2
	31	19211437T	P. ARM. COLLER		1
	32	19211434T	P. ARM		1
	33	18210308T	EH SPRING		1
	34	18210307T	AZIMUTH SPRING		2
	35	192104306T	PINCH ROLLER ARM ASS'Y		2
	36	18210150T	BUTTON LEVER SPRING (S)	PLAY	2
	37	18211311T	E. SLIDE LEVER SPRING		1
	38	19212604T	SENSING LEVER		2
	39	192107302T	RF CLUTCH ASS'Y		2
	40	18210711T	RF BELT		2
	43	192109310T	FLYWHEEL ASS'Y		1
	44	192109309T	FLYWHEEL ASS'Y		1
	45	19212605T	GEAR PLATE SPRING		2
	46	192126502T	GEAR PLATE ASS'Y		2
	47	19212602T	CAM GEAR		2
	49	18211070T	FF GEAR		2
	50	18291010T	BACK TENSION SPRING		2
	51	192105304T	SUPPLY REEL ASS'Y		2
	52	192105303T	TAKE UP REEL ASS'Y		2
	53	19210506T	SENSER		2
	55	19211210T	MOTOR BRACKET		1

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	56	18211266T	MOTOR RUBBER		3
	57	18511418T	MOTOR COLLER SCREW		3
	59	19210906T	MAIN BELT		2
	60	18211278T	ANTI VIBRATION FELT MAT		2
	61	182112126T	ANTI VIBRATION FELT MAT		1
	62	19211302T	EJECT SLIDE LEVER		2
	64	18291001T	PACK SPRING		2
	65	62020178	P. HEAD	VGH0421-020	1
	66	62020178	R.P. HEAD	VGH0421-020	1
	67	62021421	E. HEAD	LE15A-C1	1
	68	SHU9L02,53	MOTOR	6003-02-26T	1
	69	18211069T	RECORD SAFETY LEVER		1
	71	91790000T	C. TAPPING SCREW	M2x3	2
	72	91800000T	C. TAPPING SCREW	M2x4	6
	73	96790000T	P. TAPPING BING SCREW	M2x5	4
	74	99991809T	TAPPING SCREW (FOR CAMERA)	M2x4.5	6
	75	90040000T	SCREW	M2x6	1
	76	92230000T	+ − CAP SCREW	M2x7.5	2
	77	91150000T	+ BIND SCREW	M2x3	2
	78	99220000T	AZIMUTH SCREW	M2x7	2
	79	91820000T	C. TAPPING SCREW	M2x6	1
	80	99992041T	P.S. TAPPING SCREW	M2x3	1
	81	94800000T	LUG	3B)2.0	1
	83	94220000T	P. WASHER CUT	1.2x3.8x0.3	2
	84	99990313T	P. WASHER CUT	1.45x3.8x0.5	2
	85	97860000T	P. WASHER	2x3.5x0.3	2
	91	19211209T	P. KICK LEVER (B)		1
	92	182112154T	P. KICK LEVER (A)		1
	94	18211265T	COLLER (B)		1
	95	18211225T	P. KICK LEVER SPRING		1

14 Exploded View of Enclosure Assembly and Parts List ■ Cabinet Section

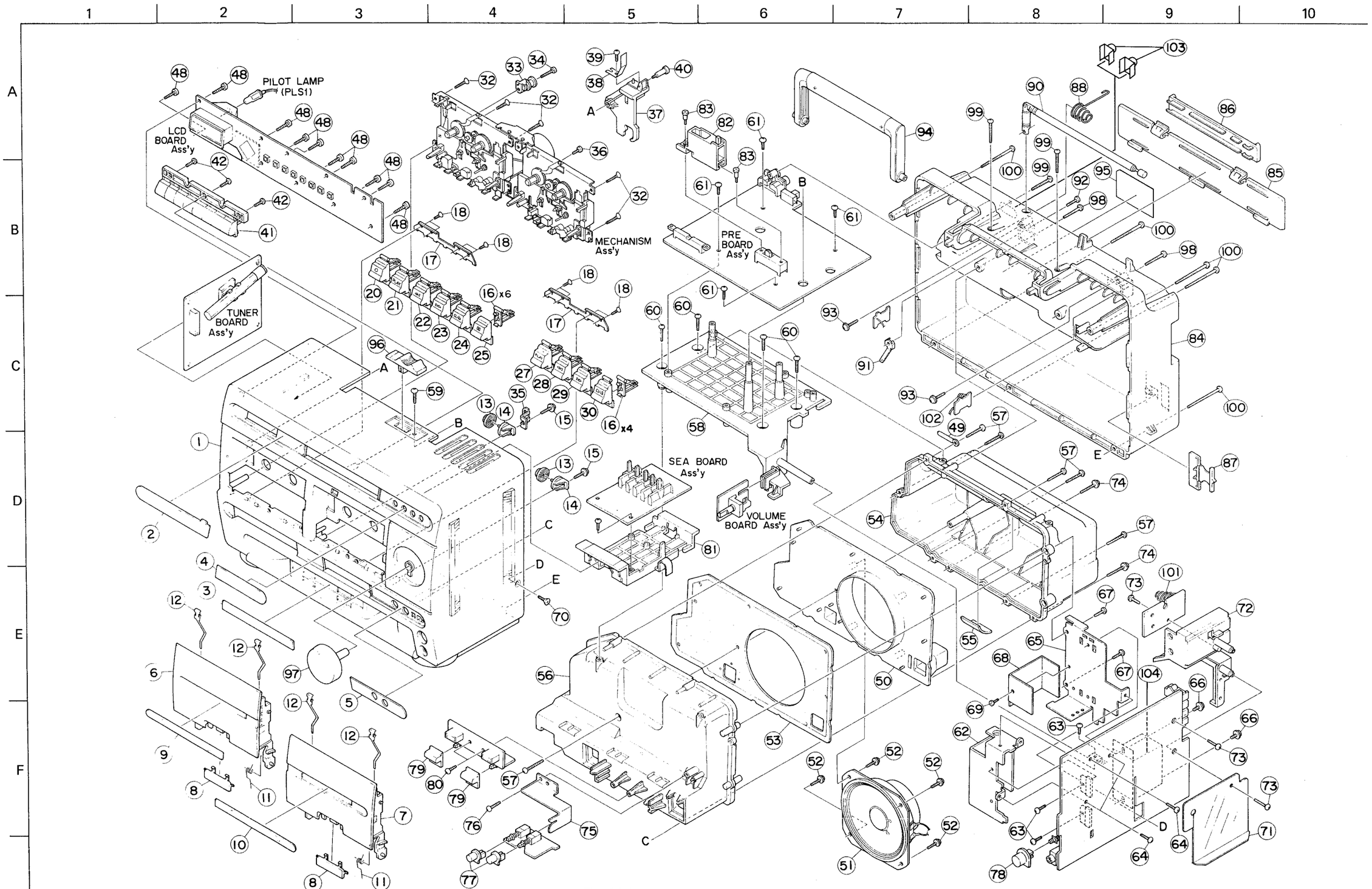


Fig. 14-1

• Enclosure Component Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1~5	**ZCRCY777B-FBK**	**FRONT CABINET ASS'Y**	**B VERSION**	**1**
		ZCRCY777E-FBK	**FRONT CABINET ASS'Y**	**E VERSION**	**1**
		ZCRCY777G-FBK	**FRONT CABINET ASS'Y**	**G VERSION**	**1**
	6,9,12	**ZCPRY777K-CBKA**	**CASS. CASE ASS'Y**	**(A)**	
	7,10,12	**ZCPRY777K-CBKB**	**CASS. CASE ASS'Y**	**(B)**	
	1	VJC1908-112	FRONT CABINET	B/E VERSION	1
	2	VJD5297-001	LCD LENS		1
	3	VJK4374-001	3D LENS		1
	4	VJD5303-001	TUNER PLATE		1
	5	VJD5304-001	FUNCTION PLATE		1
	6	VJT2251-003	DOOR HOLDER (L)		1
	7	VJT2251-004	DOOR HOLDER (R)		1
	8	VJT4175-002	HEAD COVER		2
	9	VJT4176-003	DOOR LENS (L)		1
	10	VJT4176-004	DOOR LENS (R)		1
	11	VYH7214-001	DOOR SPRING		2
	12	VKY4180-001	CASSETTE SPRING		4
	13	VYH5601-001	GEAR		2
	14	VYH5602-001	DAMPER HOLDER		2
	15	GBSF3012Z	SCREW		2
	16	VKS4843-002	BUTTON LEVER		10
	17	VKL6107-001	BUTTON BRACKET		2
	18	SSSF2606Z	SCREW		8
	20	VXP3383-001	MECHA BUTTON	FOR REC	1
	21	VXP3383-002	MECHA BUTTON	FOR PLAY	1
	22	VXP3383-003	MECHA BUTTON	FO REW	1
	23	VXP3383-004	MECHA BUTTON	FOR FF	1
	24	VXP3383-005	MECHA BUTTON	FOR STOP	1
	25	VXP3383-006	MECHA BUTTON	FOR PAUSE	1
	27	VXP3383-008	MECHA BUTTON	FOR PLAY	1
	28	VXP3383-009	MECHA BUTTON	FOR REW	1
	29	VXP3383-010	MECHA BOTTON	FOR FF	1
	30	VXP3383-011	MECHA BUTTON	FOR STOP	1
	32	SSSF3012Z	SCREW	MECHANISM	5
	33	VYH6727-002	COLLAR		1
	34	SDST2614Z	SCREW	COLLAR	1
	35	VYH7278-001	SUPPORT BRACKET		1
	36	SDST3006Z	SCREW		1
	37	VYH3584-001	REC LEVER		1
	38	VYH7216-001	REC SPRING		1
	39	SBSF3010Z	SCREW		1
	40	VKZ4380-005	SPECIAL SCREW		1
	41	VXP3384-001	TUNER BUTTON		1
	42	SBSF2608Z	SCREW	TUNER BUTTON	3
	48	SBSF3008Z	SCREW	TUNER BOARD	10
	49	VKZ4001-111	WIRE HOLDER		1
	50	VYH2240-003MM	3D BASE		1
	51	EAS10PL429G1	SPEAKER		1
	52	GBSF3012Z	SCREW	3D SPEAKER	4
	53	VYH3543-002	SPACER		1
	54	VYH2238-002MM	3D COVER (R)		1
	55	VYSR1R5-018	SPACER		1
	56	VYH1206-005	3D COVER (F)		1
	57	SBSF3020Z	SCREW	3D BOX	6
	58	VYH1204-002	CHASSIS		1

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	59	SBSF3014Z	SCREW	CHASSIS	1
	60	SBSF3012Z	SCREW	CHASSIS	4
	61	SBSF3008Z	SCREW	MAIN BOARD	4
	62	VYH3643-001	RADIATION PLATE		1
	63	SBSF3010Z	SCREW	POWER IC	1
		SBSF3010Z	SCREW	POWER IC	2
	64	SBSF3010Z	SCREW	POWER BOARD	3
	65	VYH3589-003	TRANS BRACKET		1
	66	VKZ3001-004	SPECIAL SCREW	POWER TRASFORMER	2
	67	SBSF3016Z	SCREW	TRANS BRACKET	2
	68	VYH7312-001	SHEILD		1
	69	SDST3006Z	SCREW	SHEILD	1
	70	SSST3008M	SCREW	FRONT BRACKET	1
	71	VYH7082-001	BARRIER		1
	72	VYH3536-201	BATTERY HOLDER		1
	73	SBSF3010Z	SCREW	BATTREY HOLDER	3
	74	GBSF3020Z	SCREW	FRONT CABINET	2
	75	VYH7218-001	FUNCTION BRACKE		1
	76	SBSF3010Z	SCREW		1
	77	VXP4986-001	PUSH KNOB	FUNCTION/DOLBY NR	2
	78	VXP4985-001	POWER KNOB		1
	79	VXP4991-001	PUSH KNOB	3D/LIVEEFFEX	2
	80	SBSF3010Z	SCREW	LED BOARD	2
	81	VYH3587-002	SEA HOLDER		1
	82	VYH7207-001	SLIDER		1
	83	VYH4017-001	STUD		2
	84	VJC1911-012	REAR CABINET		1
		VJC1911-013	REAR CABINET	PC-Y777 E/G	1
	85	VJC2016-018	BATT COVER	PC-Y777 B	1
	86	VJD5239-002	BATTERY COVER		1
	87	VYH7232-003	AC SLIDER		1
	88	VYH5657-001	BATTERY SPRING		1
	90	VJA3006-00E	ROD ANTENNA		1
	91	VYH5012-004	TERMINAL LUG		1
	92	SDSP3010N	SCREW		1
	93	GBSF3010Z	TAPPING SCREW		2
	94	PCY555-HANDLE	HANDLE		2
	95	VYN7052-002	NAME PLATE	PC-Y777 E	1
		VYN7052-003	NAME PLATE	PC-Y777 B	1
		VYN7052-005	NAME PLATE	PC-Y777 G	1
	96	VXS4356-001	SLIDE KNOB	FUNCTION	1
	97	VXL4361-001	VOL KNOB		1
	98	SBSF3014Z	SCREW	REAR-3D	2
	99	SBSF3014M	SCREW	REAR-CHASSIS	3
	100	SBSF3035Z	SCREW	REAR-FRONT	5
	101	VYH5483-001	BATTERY SPRING		1
	102	VYH6889-001	BATT SPRING		1
	103	V44814-00B	TERMINAL ASS'Y	PC-Y777 E ONLY	1
	104	VTP57P2-12FBS	POWER TRANS	PC-Y777 B	1
⚠		VTP57P2-12F	POWER TRANS	PC-Y777 E/G	1

■ Speaker Box Sections: Right Side View

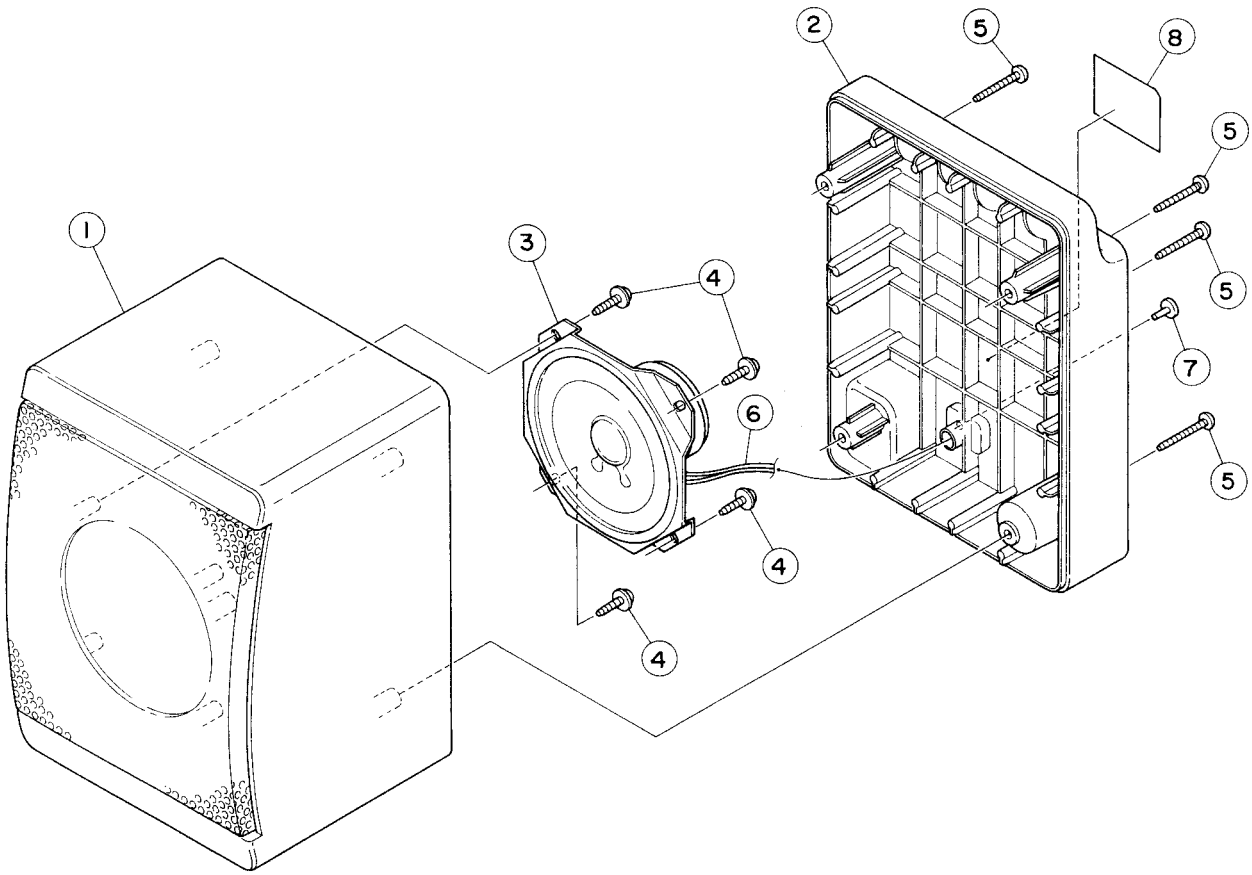


Fig. 14-2

• Speaker Box Parts List

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1-1	VJC2403-00A	SP.PANEL ASS'Y	RIGHT SIDE	1
	1-2	VJC2402-00A	SP.PANEL ASS'Y	LEFT SIDE	1
	2-1	VJC1921-001	SP REAR CABI	RIGHT SIDE	1
	2-2	VJC1919-001	REAR CABINET	LEFT SIDE	1
	3	EAS10P463C	SPEAKER	L & R	1
	4	GBSF3010Z	TAPPING SCREW	FRONT + SPEAKER	4
	5	SBSF3016Z	SCREW	FRONT + REAR	4
	6	VMP0040-001T	SPEAKER CODE	L & R	1
	7	TEP357469-02	STOPPER	L & R	1
	8	VYN7052-001B	NAME PLATE	L & R	1

15 Packing Illustration and Packing Parts List

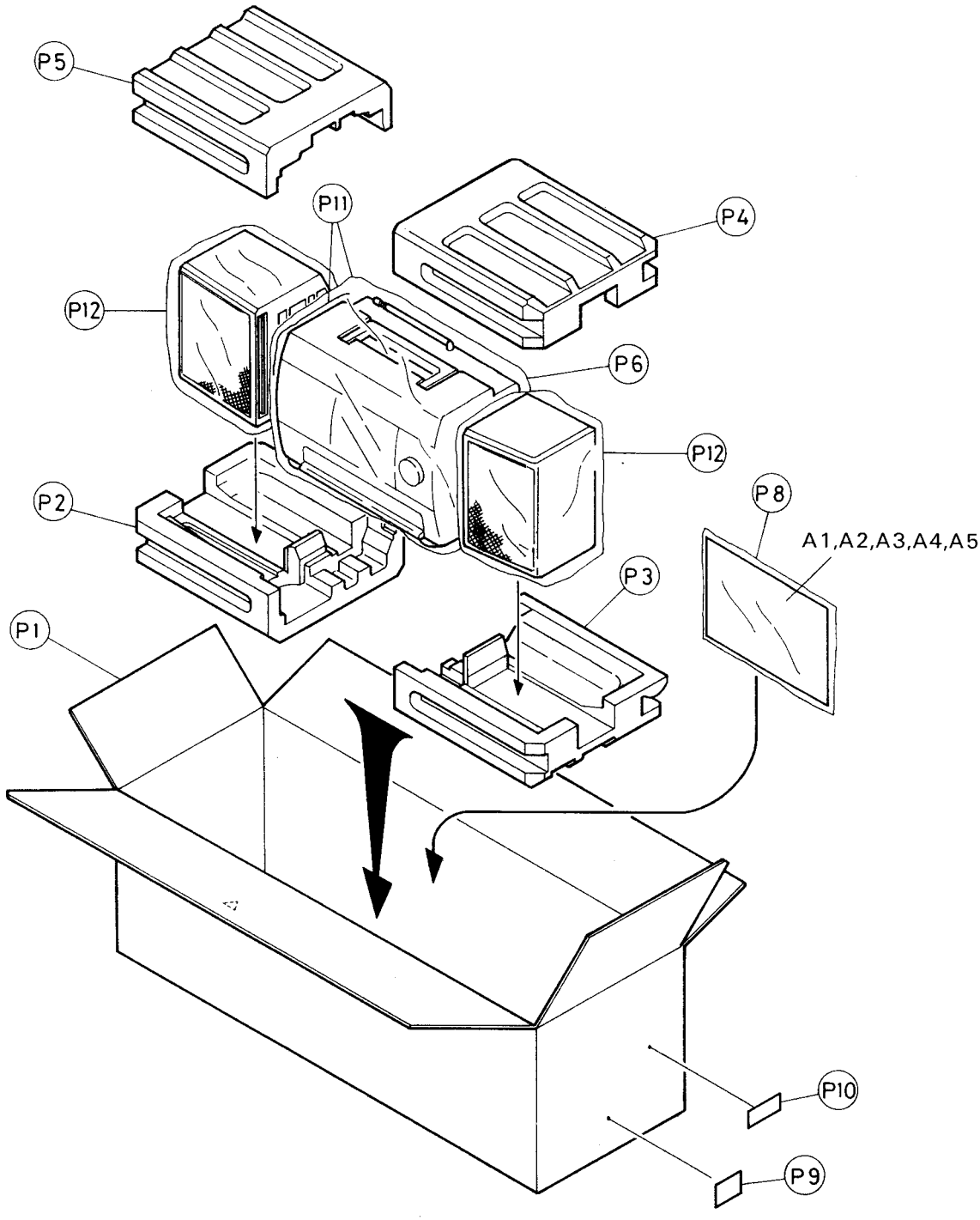


Fig. 15-1

JVC

SERVICE MANUAL

STEREO RADIO CASSETTE RECORDER

PC-Y777 G

Supplementary

The Enclosure Component Parts and P.C. Board Parts layout have been partly changed as explained below.

Change of enclosure component parts

Ref. No.	OLD Parts No.	NEW Parts No.	Parts Name	Q'ty
1	VJC1908-112	VJC1908-115	FRONT CABINET	1
11	VYH7214-001	VYH7214-002	DOOR SPRING	2
58	VYH1204-002	VYH1204-003	CHASSIS	1
87	VYH7232-003	————	AC SLIDER	1
97	VXL4361-001	VXL4361-002	VOLUME KNOB	1
1 ~ 5	ZCRCY777G-FBK	ZCPRY777G-FBK	FRONT CABINET	1

Packing

A2. BT20066A guarantee is also used for G version.

Main Board

F997 (fuse) is omitted.

No. 1802B
October 1990

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AUDIO PRODUCTS DIVISION MAEBASHI PLANT 10-1, 1-chome, Ohwatari-machi, Maebashi-city, Japan

Printed in Japan
—H0210—O—

• Tuner Board Parts List

⚠	REF.	PARTS NO.	PARTS NAME
	BPF	VBP4M3B-005	BP FILTER
	CF04	CSB456F18	CERA LOCK
	CN01	VMC0107-011	CONNECTOR
	CN03	QMV5011-003	CONNECTOR
	C001	QCS11HJ-200	C CAPACITOR
	C002	QCBB1HK-102Y	C CAPACITOR
	C003	QCS11HJ-5R0	C CAPACITOR
	C004	QCT05CH-100	C CAPACITOR
	C006	QCXB1CM-222Y	C CAPACITOR
	C008	QCT05CH-200	C CAPACITOR
	C009	QCT30CH-2R2Y	C CAPACITOR
	C010	QCT05CH-150	C CAPACITOR
	C011	QCC11EM-103	C CAPACITOR
	C012	QCBB1HK-151Y	C CAPACITOR
	C013	QCC11EM-103	C CAPACITOR
	C015	QCVB1CN-103Y	C CAPACITOR
	C016	QCC11EM-223	C CAPACITOR
	C017	QCS11HJ-330	C CAPACITOR
	C020	QCC11EM-473	C CAPACITOR
	C021	QFS41HJ-391	P S.CAPACITOR
	C022	QCVB1CN-103Y	C CAPACITOR
	C023	QCS11HJ-8R0	C CAPACITOR
	C024	QER41HM-104	E CAPACITOR
	C025	QCS11HJ-150	C CAPACITOR
	C026	QCS11HJ-221	C CAPACITOR
	C027	QCBB1HK-151Y	C CAPACITOR
	C028	QCC11EM-473	C CAPACITOR
	C029	QETC1HM-475ZN	E CAPACITOR
	C030	QETC1AM-107ZN	E CAPACITOR
	C031	QCC11EM-473	C CAPACITOR
	C032	QCC11EM-473	C CAPACITOR
	C033	QCBB1HK-331Y	C CAPACITOR
	C034	QETC1HM-335ZN	E CAPACITOR
	C035	QCC11EM-683	C CAPACITOR
	C036	QCC11EM-123	C CAPACITOR
	C037	QCC11EM-123	C CAPACITOR
	C038	QETC1HM-225ZN	E CAPACITOR
	C039	QETC1HM-474ZN	E CAPACITOR
	C040	QETC1HM-474ZN	E CAPACITOR
	C041	QETCOJM-477ZN	E CAPACITOR
	C042	QETCOJM-477ZN	E CAPACITOR
	C043	QCXB1CM-222Y	C CAPACITOR
	C044	QCT05CH-150	C CAPACITOR
	C045	QCC11EM-223	C CAPACITOR
	C046	QCBB1HK-151Y	C CAPACITOR
	C047	QCBB1HK-151Y	C CAPACITOR
	C048	QETC1HM-105ZN	E CAPACITOR
	C049	QETC1HM-105ZN	E CAPACITOR
	C050	QCBB1HK-151Y	C CAPACITOR
	C051	QCVB1CN-103Y	C CAPACITOR
	C052	QCVB1CN-103Y	C CAPACITOR
	C053	QCT05CH-100	C CAPACITOR
	C055	QETC1HM-104ZN	E CAPACITOR
	C056	QCBB1HK-151Y	C CAPACITOR
	C058	QCBB1HK-151Y	C CAPACITOR
	C059	QCC11EM-473	C CAPACITOR
	C060	QCC11EM-473	C CAPACITOR
	C061	QCT30CH-2R2Y	C CAPACITOR
	C065	QCBB1HK-151Y	C CAPACITOR
	C071	QCBB1HK-471Y	C CAPACITOR
	C073	QCS11HJ-151	C CAPACITOR
	C075	QCS11HJ-680	C CAPACITOR
	C076	QCBB1HK-151Y	C CAPACITOR
	C077	QCS11HJ-151	C CAPACITOR
	C081	QCS11HJ-151	C CAPACITOR
	D001	KV1330	VARI.CAPCITOR
	D002	KV1330	VARI.CAPCITOR
	D005	MA165	SI DIODE
	D006	KV1250	VARI CAP
	D007	MA165	SI DIODE
	D008	KV1250	VARI CAP
	D009	KV1250	VARI CAP
	D010	KV1250	VARI CAP
	D011	KV1250	VARI CAP
	D012	MA165	SI DIODE

⚠	REF.	PARTS NO.	PARTS NAME
	D019	MA165	SI DIODE
	D020	MA165	SI DIODE
	IC01	TA7358P(N)	IC
	IC02	TA8132AN	IC
	L001	V03105-029MN	OSC COIL
	L002	VQF1B12-003	RF COIL
	L003	VQB010B-507	BAR ANTENA
	L004	VQB010B-507	BAR ANTENA
	L005	VQM7U02-403	OSC COIL(MW)
	L006	VQL7U02-501	OSC COIL(LW)
	L009	V03047-17	COIL
	L011	VQC1304-001	COIL
	L012	VQC1304-001	COIL
	Q001	2SC1923(O)	TRANSISTOR
	Q002	2SC1923(O)	TRANSISTOR
	Q003	2SC2785(E,F)	TRANSISTOR
	Q005	2SC2785(E,F)	TRANSISTOR
	Q007	2SA1309(R,S)	TRANSISTOR
	Q008	2SA1309(R,S)	TRANSISTOR
	Q009	2SA1309(R,S)	TRANSISTOR
	Q010	2SC2785(E,F)	TRANSISTOR
	Q011	2SA1317(S,T)	TRANSISTOR
	Q012	2SC2785(E,F)	TRANSISTOR
	Q013	2SD1302(S,T)	TRANSISTOR
	Q014	2SA1309(R,S)	TRANSISTOR
	R001	QRD161J-104	C RESISTOR
	R002	QRD161J-473	C RESISTOR
	R003	QRD161J-120	C RESISTOR
	R004	QRD161J-102	C RESISTOR
	R005	QRD161J-823	C RESISTOR
	R006	QRD161J-102	C RESISTOR
	R008	QRD161J-181	C RESISTOR
	R009	QRD161J-102	C RESISTOR
	R010	QRD161J-104	C RESISTOR
	R012	QRD161J-103	C RESISTOR
	R013	QRD161J-103	C RESISTOR
	R016	QRD161J-104	C RESISTOR
	R018	QRD161J-103	C RESISTOR
	R019	QRD161J-102	C RESISTOR
	R020	QRD161J-104	C RESISTOR
	R021	QRD161J-683	C RESISTOR
	R022	QRD161J-103	C RESISTOR
	R023	QRD161J-103	C RESISTOR
	R024	QRD161J-103	C RESISTOR
	R025	QRD161J-222	C RESISTOR
	R026	QRD161J-222	C RESISTOR
	R027	QRD161J-103	C RESISTOR
	R028	QRD149J-220S	C.RESISTOR
	R031	QRD161J-334	C RESISTOR
	R032	QRD161J-331	C RESISTOR
	R035	QRD161J-152	C RESISTOR
	R037	QRD161J-393	C RESISTOR
	R038	QRD161J-223	C RESISTOR
	R039	QRD161J-103	C RESISTOR
	R040	QRD161J-822	C RESISTOR
	R041	QRD161J-103	C RESISTOR
	R043	QRD161J-103	C RESISTOR
	R044	QRD161J-334	C RESISTOR
	R045	QRD161J-103	C RESISTOR
	R047	QRD161J-472	C RESISTOR
	R049	QRD161J-102	C RESISTOR
	R050	QRD161J-102	C RESISTOR
	R052	QRD161J-222	CARBON RESISTOR
	R055	QRD161J-101	C RESISTOR
	R056	QRD161J-102	C RESISTOR
	TC01	QAT3620-100M	T CAPACITOR
	TC02	QAT3620-100M	T CAPACITOR
	TC03	QAT3620-100M	T CAPACITOR
	TC04	QAT3620-200M	T.CAPACITOR
	CF1,CF2	VCF2L3B-105	C FILTER
	CF3	VCF1Z2Z-104	C FILTER
	T001	VQT7F12-111	IFT
	T002	VQT7A21-105	IFT

■ DTS (Digital Tuning) Board

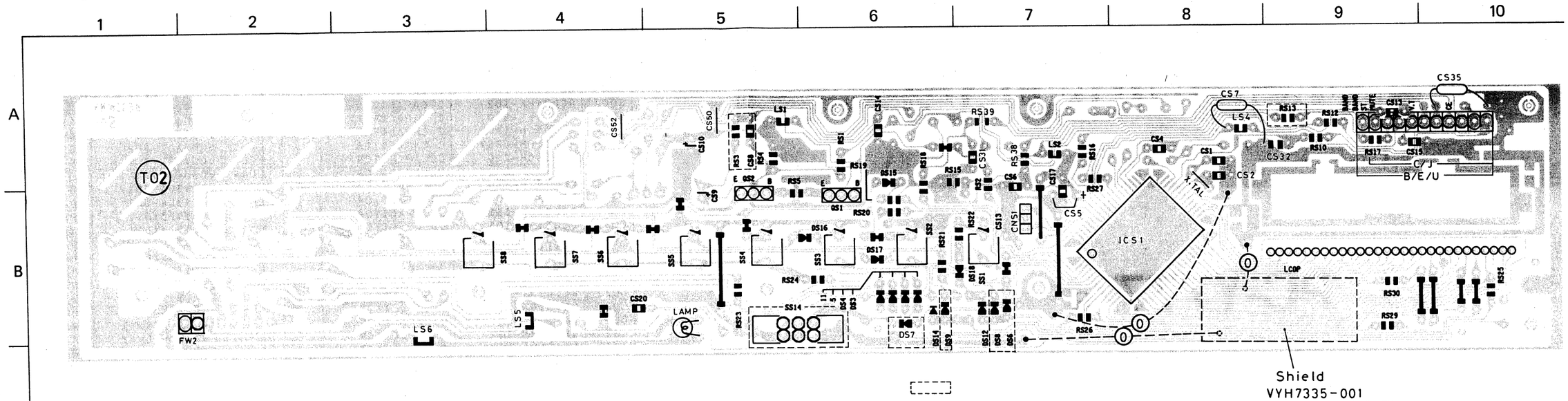


Fig. 12-8

Version \ Ref No.	RS3	RS13	DS6	DS7	DS8	DS9	CS8	SS14	CS50	CS52
J	○	—	○	—	—	○	○	—	—	—
B/E	○	○	—	—	○	—	○	—	—	—
G	○	○	—	—	○	—	○	—	○	○

■ Tuner Board

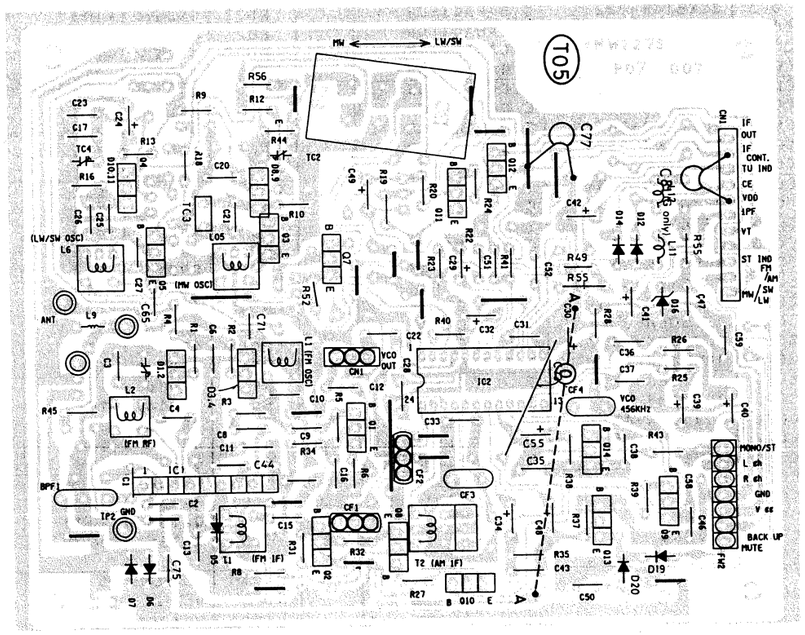


Fig. 12-9

• DTS Board Parts List

⚠	REF.	PARTS NO.	PARTS NAME
	CS01	QCBB1HK-101Y	C CAPACITOR
	CS02	QCT30CH-8R2Y	C.CAPACITOR
	CS04	QCVB1CM-103Y	C CAPACITOR
	CS05	QEE51EM-155	TS E CAPACITOR
	CS06	QCVB1CM-103Y	C CAPACITOR
	CS07	QCS11HJ-330	C CAPACITOR
	CS08	QCXB1CM-562Y	C CAPACITOR
	CS09	QER41HM-225	E CAPACITOR
	CS10	QER41HM-225	E CAPACITOR
	CS13	QCBB1HK-151Y	C CAPACITOR
	CS15	QCBB1HK-151Y	C CAPACITOR
	CS17	QCXB1CM-222Y	C CAPACITOR
	CS20	QCBB1HK-151Y	C CAPACITOR
	CS31	QCXB1CM-222Y	C CAPACITOR
	CS32	QCBB1HK-102Y	C CAPACITOR
	CS36	QCBB1HK-151Y	C CAPACITOR
	CS37	QCVB1CN-103Y	C CAPACITOR
	CS50	QCBB1HK-151Y	C CAPACITOR
	CS52	QCBB1HK-151Y	C CAPACITOR
	DS03	MA165	SI DIODE
	DS04	MA165	SI DIODE
	DS05	MA165	SI DIODE
	DS08	MA165	SI DIODE
	DS12	MA165	SI DIODE
	DS14	MA165	SI DIODE
	DS15	MA165	SI DIODE
	DS16	MA165	SI DIODE
	DS17	MA165	SI DIODE
	DS18	MA165	SI DIODE
	ICS1	UPD1723GF-531	
	LCDP	VGL1083-001	LCD PANEL
	LS01	VQC1304-001	COIL
	LS02	VQP0012-471	INDUCTOR
	LS04	VQC1304-001	COIL
	LS05	VQC1304-001	COIL
	LS06	VQC1304-001	COIL
	PLS1	VGZ0001-039	P.LAMP
	QS01	2SC2785(E,F)	TRANSISTOR
	QS02	2SC2785(E,F)	TRANSISTOR
	RS01	QRD161J-222	CARBON RESISTOR

⚠	REF.	PARTS NO.	PARTS NAME
	RS02	QRD161J-222	CARBON RESISTOR
	RS03	QRD161J-222	CARBON RESISTOR
	RS04	QRD161J-332	CARBON RESISTOR
	RS05	QRD161J-471	CARBON RESISTOR
	RS10	QRD161J-473	C RESISTOR
	RS12	QRD161J-103	CARBON RESISTOR
	RS13	QRD161J-103	CARBON RESISTOR
	RS15	QRD161J-104	C RESISTOR
	RS16	QRD161J-103	CARBON RESISTOR
	RS17	QRD161J-102	CARBON RESISTOR
	RS18	QRD161J-102	CARBON RESISTOR
	RS19	QRD161J-222	CARBON RESISTOR
	RS20	QRD161J-222	CARBON RESISTOR
	RS21	QRD161J-222	CARBON RESISTOR
	RS22	QRD161J-222	CARBON RESISTOR
	RS23	QRD161J-472	CARBON RESISTOR
	RS24	QRD161J-472	CARBON RESISTOR
	RS25	QRD161J-472	CARBON RESISTOR
	RS27	QRD161J-104	CARBON RESISTOR
	RS29	QRD161J-472	CARBON RESISTOR
	RS30	QRD161J-472	CARBON RESISTOR
	RS38	QRD161J-102	C RESISTOR
	RS39	QRD161J-102	C RESISTOR
	RS41	QRD161J-104	C RESISTOR
	SS01	QSP4H11-V06Z	TACT SWITCH
	SS02	QSP4H11-V06Z	TACT SWITCH
	SS03	QSP4H11-V06Z	TACT SWITCH
	SS04	QSP4H11-V06Z	TACT SWITCH
	SS05	QSP4H11-V06Z	TACT SWITCH
	SS06	QSP4H11-V06Z	TACT SWITCH
	SS07	QSP4H11-V06Z	TACT SWITCH
	SS08	QSP4H11-V06Z	TACT SWITCH
	XTAL	V472124-A0	CRYSTAL

• Packing Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	A1	VNN7051-211	INSTRUCTION BOOK	B/E/G VERSION	1
		VNN7051-441	INSTRUCTION BOOK	E VERSION: BELGIUM, HOLLAND	1
	A2	BT-20060	WARRANTY CARD	B VERSION	1
		BT-20066A	GUARANTEE	B/E VERSION	1
		BT-20114	WARRANTY CARD	G VERSION	1
⚠	A3	QMP3950-183	POWER CORD	E/G VERSION	1
		QMP5510-183BS	POWER CORD	B VERSION	1
	A4	PU36158	FTZ. INFORMATION SHEET	G VERSION	1
	P1	VPC7052-001	CARTON		1
	P2	VPH1521-001	CUSHION (BOTT, L)		1
	P3	VPH1521-002	CUSHION (BOTT, R)		1
	P4	VPH1522-001	CUSHION (UP, R)		1
	P5	VPH1522-002	CUSHION (UP, L)		1
	P6	VPE3005-026	POLY BAG		1
	P8	VPE3005-007	POLY BAG	FOR INSTRUCTIONS	1
	P9	VND3044-003	SERIAL TICKET	E VERSION	1
		VND3044-004	SERIAL TICKET	B VERSION	1
		VND3044-005	SERIAL TICKET	G VERSION	1
	P10	VND3025-110	BAR CODE LABEL	G VERSION	1
	P11	VPK4002-014	SHEET		1
	P12	VPE3005-018	POLY BAG		2